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AIR QUALITY IN ONTARIO

1993

APPENDIX

MAY 1995

Ontario



Ministry of
Environment
and Energy

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Air Quality in Ontario 1993: Appendix

This appendix is intended for use in conjunction with the annual report Air Quality in Ontario 1993 (ISSN 0840-9366 Vol. 1) which may be purchased at Publications Ontario, 50 Grosvenor St., Toronto, Ontario, M7A 1N8 or call 416-326-5300 or 1-800-668-9938 (toll free).

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INTRODUCTION

This Appendix is intended for use in conjunction with the Annual Report Air Quality in Ontario 1993. For each pollutant, tables provide the location of stations and supply summary statistics information including means, maxima, percentile values and the number of exceedances of the Ontario criteria. The entire continuous (hourly) network is summarized in Appendix Table A-1 and Maps 1 and 2. The table gives station name, numerical identifier, and pollutants measured. The numerical identifier is the station (ID) number, the first digit of which identifies the geographic region in which the station is located.

The Ministry of the Environment and Energy has divided the province into 7 regions. Region 1 (Southwest) with headquarters in London; Region 2 (Westcentral) with headquarters in Hamilton; Region 3 and 4 (Central) with headquarters in Toronto; Region 5 (Southeast) with headquarters in Kingston; Region 6 (Northwest) with headquarters in Thunder Bay and finally Region 7 (Northeast) with headquarters in Sudbury. Letter codes indicate whether data are telemetered (T) or chart-read (C). The column headings for pollutants are as follows:

SO₂ (sulphur dioxide)

SP suspended particles or soiling index (COH)

CO (carbon monoxide)

O₃ (ozone)

NO₂ (nitrogen dioxide)

NO (nitric oxide)

NO_x (oxides of nitrogen)

THC (total hydrocarbon compounds)

RHC (reactive (non-methane) hydrocarbon compounds)

CH₄ (methane)

TRS (total reduced sulphur compounds)

API (air pollution index)

AQI (air quality index)

The Air Quality Index sites are shown in Map 3.

The particulate (daily) network is summarized in Appendix Table A-2 and Maps 4 and 5. The table gives station name, numerical identifier, and pollutants measured. Numerals indicate the monitoring cycle frequency in days. Some additional codes are defined in the key at the top of the table. The column headings for pollutants are as follows:

TSP	(total suspended particulate)
Cd in TSP	(cadmium)
Cr in TSP	(chromium)
Fe in TSP	(iron)
Mn in TSP	(manganese)
Ni in TSP	(nickel)
Pb in TSP	(lead)
V in TSP	(vanadium)
NO ₃ ⁻ in TSP	(nitrate)
SO ₄ ²⁻ in TSP	(sulphate)

The particulate (monthly) network is summarized in Appendix Table A-3. This table gives the location of the monitoring site and the parameters measured at each site.

The inhalable particulate (PM-10) network is summarized in Appendix Table A-4 which gives the station location, parameters measured and frequency of sampling.

The meteorological network is summarized in Table A-5 and Maps 6 and 7. The table gives station name, numerical identifier, meteorological parameters measured and the height of the measurements.

The 1993 statistical data for the various pollutants are provided in Tables A-6 through A-33.

The PM-10 monitoring network is shown in Map 8.

Stations used in the trends of gases and particulates are listed in Tables A-34 and A-35.

ABBREVIATIONS

INS	-	insufficient data to compute relevant statistics.
YR	-	year that monitoring began.
TYPE	-	survey type
LAT	-	latitude in degrees/minutes
LONG	-	longitude in degrees/minutes
ELEV	-	elevation of sampling inlet (metres above ground)

TABLE A-1 THE CONTINUOUS (HOURLY) NETWORK (1993)

T = TELEMETRY L = DATA LOGGER YR = YEAR STATION BEGAN
TYPE = A:AMBIENT SURVEY; I:SOURCE SPECIFIC SURVEY

ID = STATION IDENTIFICATION NUMBER
LAT = LATITUDE(DEGREES:MINUTES) ELEV = AIR INTAKE HEIGHT ABOVE GROUND
LONG = LONGITUDE(DEGREES:MINUTES)

CITY	STATION NAME	ID	TYPE	YR	LAT	LONG	ELEV (M)	SO ₂	COH	CO	O ₃	NO ₂	NO	NO _x	THC	RHC	CH ₄	TRS	API	AQI
WINDSOR	WRIGHT/WATER ST	12007	I	84	42:17	83:06	4	T	T	T	T	T	T	T	T	T	T	T	T	
WINDSOR	467 UNIVERSITY AV W	12008	A	69	42:19	83:03	8	T	T	T	T	T	T	T	T	T	T	T	T	
WINDSOR	FILTRAT PLT,3665 WYANDOTTE ST E	12013	A	76	42:19	83:00	6	T	T	T	T	T	T	T	T	T	T	T	T	
WINDSOR	COLLEGE/SOUTH ST	12016	A	75	42:18	83:04	4	T	T	T	T	T	T	T	T	T	T	T	T	
MERLIN	MOE WATER PUMP STN, MIDDLE RD	13021	A	77	42:15	82:13	4	T	T	T	T	T	T	T	T	T	T	T	T	
COURTRIGHT	HMY40 (OPP LAMBTON GS)	14016	A	69	42:48	82:29	4	T	T	T	T	T	T	T	T	T	T	T	T	
SARNIA	CENTENNIAL PK, FRONT ST/CN TRACKS	14064	A	76	42:59	82:24	3	T	T	T	T	T	T	T	T	T	T	T	T	
MANDAUMIN	CONCESSION RD 26	14118	A	77	42:56	82:14	4	T	T	T	T	T	T	T	T	T	T	T	T	
LONDON	WRN FAIR GROUNDS, KING/RECTORY	15001	A	70	42:59	81:13	4	T	T	T	T	T	T	T	T	T	T	T	T	
LONGWOODS	LONGWOODS CONSERVATION AUTH.	15009	A	83	42:53	81:29	4	T	T	T	T	T	T	T	T	T	T	T	T	
PARKHILL	PUC BUILDING	15013	A	83	43:10	81:41	5	T	T	T	T	T	T	T	T	T	T	T	T	
LONDON	951 COMMISSIONERS RD E	15015	I	86	42:58	81:13	4	L	T	T	T	T	T	T	T	T	T	T	T	
LONDON	801 COMMISSIONERS RD E	15016	I	86	42:57	81:13	4	L	T	T	T	T	T	T	T	T	T	T	T	
LONDON	8 MOUNTSFIELD DR	15017	I	86	42:58	81:15	4	L	T	T	T	T	T	T	T	T	T	T	T	
GRAND BEND	POINT BLAKE (CONSERVATION AREA)	15020	A	91	43:20	81:44	4	T	T	T	T	T	T	T	T	T	T	T	T	
TIVERTON	CONCESSION RD 2 LOT A	18007	A	79	44:18	81:35	4	T	T	T	T	T	T	T	T	T	T	T	T	
INVERHURON	INVERHURON/FARM	18107	I	91	44:18	81:35	4	T	T	T	T	T	T	T	T	T	T	T	T	
SIMCOE	EXPERIMENTAL FARM	22071	A	75	42:51	80:16	4	T	T	T	T	T	T	T	T	T	T	T	T	
NANTICOKE	CHEAPSIDE RD(3 KM S OF HMY 3)	22086	I	77	42:52	80:00	5	T	T	T	T	T	T	T	T	T	T	T	T	
TOWNSEND	TOWNLINE RD/CON 13	22094	I	86	42:54	80:09	4	T	T	T	T	T	T	T	T	T	T	T	T	
LONG POINT	PROVINCIAL PARK	22901	A	79	42:35	80:23	4	T	T	T	T	T	T	T	T	T	T	T	T	
NANTICOKE	WALPOLE S PS, SANDUSK RD	22904	I	79	42:50	80:02	4	T	T	T	T	T	T	T	T	T	T	T	T	
NANTICOKE	RAINHAM RD (NEAR STELCO GATE)	22907	I	84	42:49	80:05	4	T	T	T	T	T	T	T	T	T	T	T	T	
KITCHENER	WEST AVE/HOMWOOD	26060	A	90	43:26	80:30	5	T	T	T	T	T	T	T	T	T	T	T	T	
ELMIRA	PARK/DUKE	26069	A	93	43:35	80:30	2	T	T	T	T	T	T	T	T	T	T	T	T	
CHIPPWA	HOLY T CHURCH, NORTON/PORTAGE	27051	I	79	43:04	79:04	16	T	T	T	T	T	T	T	T	T	T	T	T	
NIAGARA FALLS	STP GROUNDS, STANLEY AV	27055	I	83	43:08	79:05	4	T	T	T	T	T	T	T	T	T	T	T	T	
NIAGARA FALLS	ALLENDALE AV	27056	A	83	43:05	79:05	5	T	T	T	T	T	T	T	T	T	T	T	T	
ST CATHARINES	ARGYLE CRESCENT	27067	A	87	43:10	79:14	4	T	T	T	T	T	T	T	T	T	T	T	T	
GUELPH	EXHIBITION ST/CLARK ST	28028	A	86	43:33	80:16	4	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	ELGIN/KELLY	29000	A	87	43:15	79:52	4	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	HUGHSON/HUNTER	29001	A	61	43:15	79:52	9	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	BARTON/WENTWORTH	29025	I	69	43:16	79:51	4	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	467 BEACH BLVD	29102	I	84	43:17	79:47	4	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	NASH RD/KENTLEY DR	29105	A	85	43:14	79:46	4	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	VICKERS RD/EAST 8TH ST.	29114	A	85	43:14	79:52	3	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	MAIN ST/W HMY 403	29118	A	85	43:15	79:54	3	T	T	T	T	T	T	T	T	T	T	T	T	
HAMILTON	PIER 25/BEACH STRIP	29547	A	92	43:27	79:78	4	T	T	T	T	T	T	T	T	T	T	T	T	
TORONTO	MISSION, 381 YONGE ST.	31049	A	72	43:40	79:23	4	T	T	T	T	T	T	T	T	T	T	T	T	
TORONTO	BAY/GROSVENOR ST.	31103	A	90	43:39	79:23	3	T	T	T	T	T	T	T	T	T	T	T	T	
TORONTO	PERTH/RUSKIN(JUNCTION TRIANGLE)	31120	A	81	43:40	79:27	9	T	T	T	T	T	T	T	T	T	T	T	T	
TORONTO	CN TOWER, 301 FRONT ST W	31190	A	85	43:39	79:23	444	T	T	T	T	T	T	T	T	T	T	T	T	
EAST YORK	LEASIDE HYDRO STATION	32010	A	88	43:42	79:21	5	T	T	T	T	T	T	T	T	T	T	T	T	
SCARBORO	LAWRENCE/KENNEDY	33003	A	70	43:45	79:16	4	T	T	T	T	T	T	T	T	T	T	T	T	
NORTH YORK	HENDON AVE (YONGE ST/FINCH AVE)	34020	A	88	43:47	79:25	5	T	T	T	T	T	T	T	T	T	T	T	T	
NORTH YORK	35 EDGAR AVE.	34025	A	88	43:43	79:32	5	T	T	T	T	T	T	T	T	T	T	T	T	
ETOBICOKE	ELMCREST RD (CENTENNIAL PK)	35003	A	69	43:39	79:35	4	T	T	T	T	T	T	T	T	T	T	T	T	
ETOBICOKE	EVANS/ARNOLD AV.	35033	A	67	43:37	79:31	3	T	T	T	T	T	T	T	T	T	T	T	T	
YORK	CLEARVIEW HEIGHTS	36030	A	88	43:42	79:29	5	T	T	T	T	T	T	T	T	T	T	T	T	
BURLINGTON	HMY2/NORTH SHORE BLVD E.	44008	A	79	43:19	79:48	5	T	T	T	T	T	T	T	T	T	T	T	T	

TABLE A-1 (cont.) THE CONTINUOUS (HOURLY) NETWORK (1993)

T = TELEMETRY L = DATA LOGGER YR = YEAR STATION BEGAN
TYPE = A:AMBIENT SURVEY; I:SOURCE SPECIFIC SURVEY

CITY	STATION NAME	ID - STATION IDENTIFICATION NUMBER						ELEV - AIR INTAKE HEIGHT ABOVE GROUND												
		ID	TYPE	YR	LAT	LONG	ELEV (M)	SO ₂	COH	CO	O ₃	NO ₂	NO	NO _x	THC	RHC	CH ₄	TRS	API	AQI
OAKVILLE	BRONTE RD/WOBURN CRES.	44015	A	80	43:24	79:44	5	T	T	T	T	T	T	T	T	.	.	T	T	T
OSHAWA	PS. RITSON RD/OLIVE AV	45025	A	79	43:53	78:51	5	T	T	T	T	T	T	T	T	.	.	T	T	T
MISSISSAUGA	QUEENSWAY W/HURONTARIO ST.	46110	A	77	43:34	79:37	5	T	T	T	T	T	T	T	T	.	.	T	T	T
MISSISSAUGA	MEADOW PK, APPLE LANE C C	46117	I	87	43:31	79:36	5	T	.	.	T	.	.	.	T	.	.	T	.	.
ALLSTON	509 VICTORIA ST E	47035	A	81	44:09	79:51	4	.	.	.	T	.	.	.	.	.	.	.	.	.
STOUFFVILLE	Hwy47/E OF Hwy48	48002	A	74	43:58	79:16	5	T	.	.	T	T	T	T	T	.	.	.	.	.
DORSET	Hwy117/PAINT LAKE ROAD	49010	A	81	45:13	78:56	3	T	.	.	T	T	T	T	T	.	.	.	.	.
OTTAWA	MCD GDS, RIDEAU/MURTENBURG ST.	51001	A	71	45:26	75:41	4	T	T	T	T	T	T	T	T	.	.	T	T	
KINGSTON	DALTON STREET	52020	A	88	44:14	76:31	5	T	T	T	T	T	T	T	T	.	.	.	.
CORNWALL	MEMORIAL PK, BEDFORD/THIRD STS.	56051	A	70	45:01	74:44	4	T	T	T	T	T	T	T	T	.	.	T	T	T
CORNWALL	SCHOOL, 435 SECOND ST W	56068	I	75	45:01	74:44	6	.	.	.	T	.	.	.	.	.	.	T	.	.
PETERBOROUGH	CITY HALL, 500 GEORGE ST.	59006	A	76	44:19	78:19	18	.	.	.	T	.	.	.	.	.	.	T	.	.
DRYDEN	35 VAN HORNE AV.	61027	I	84	49:47	92:50	15	.	.	.	T	.	.	.	.	.	.	T	.	.
FORT FRANCES	PORTAGE/CHURCH ST.	62030	I	76	48:37	93:24	4	.	T	.	T	.	.	.	.	.	.	T	.	T
FORT FRANCES	CEMETERY, COLONIZATION RD W	62032	I	76	48:37	93:25	5	.	.	.	T	.	.	.	.	.	.	T	.	.
FORT FRANCES	EIGHTH ST/CORNWALL AVE.	62047	I	90	48:37	93:24	4	.	.	.	T	.	.	.	.	.	.	T	.	.
FORT FRANCES	LA VERENDRYE HOSPITAL	62051	I	90	48:36	93:23	3	.	.	.	T	.	.	.	.	.	.	T	.	.
ELY MINNESOTA	FERNBERG RD. ELY MINNESOTA	62068	A	91	47:57	91:30	5	.	.	.	T	.	.	.	.	.	.	T	.	.
MARATHON	WATER TOWER	63033	I	91	48:43	86:23	4	.	.	.	T	.	.	.	.	.	.	T	.	.
THUNDER BAY	CAN-CAR, MONTREAL ST.	63046	I	76	48:21	89:18	3	.	.	T	.	.	.	.	.	.	.	T	.	.
RED ROCK	RECREATION CENTRE	63084	I	81	48:57	88:15	7	.	.	.	T	.	.	.	.	.	.	T	.	.
TERRE BAY	ST MARTIN SCHOOL	63090	I	81	48:47	87:06	8	.	.	.	T	.	.	.	.	.	.	TT	.	.
TERRE BAY	MILL RD/SOUTH CAMP RD.	63093	I	89	48:47	87:05	4	.	.	.	T	.	.	.	.	.	.	TT	.	.
CLOUD RIVER	CLOUD RIVER	63120	A	92	48:09	89:27	4	.	.	.	T	.	.	.	.	.	.	TT	.	.
THUNDER BAY	MTC 615 JAMES ST S	63200	A	86	48:23	89:17	3	T	T	T	T	T	T	T	T	.	T	T	T	
SAULT STE MARIE	WM. MERRIFIELD SCHOOL	71068	A	87	46:32	84:21	3	T	T	.	T	T	T	T	T	.	T	T	T	
SMOOTH ROCK FALLS	ROSS ROAD	72084	I	86	49:17	81:37	4	.	.	.	T	.	.	.	.	.	.	T	.	.
NORTH BAY	OPP STATION	75010	A	79	46:19	79:27	4	T	T	.	T	.	.	.	.	.	.	T	.	.
SUDBURY	SKED	77012	I	52	46:39	80:46	5	T	.	.	T	.	.	.	.	.	.	.	.	.
SUDBURY	HANNER	77013	I	73	46:39	80:57	5	T	.	.	T	.	.	.	.	.	.	.	.	.
SUDBURY	WATER TANK ASH ST.	77016	I	69	46:30	81:00	3	T	.	.	T	.	.	.	.	.	.	T	T	T
CONISTON	GOVERNMENT ROAD/EDWARD ST.	77028	I	74	46:29	80:51	5	T	.	.	T	.	.	.	.	.	.	.	.	.
GARSON	FALCONBRIDGE ROAD	77065	I	76	46:34	80:51	5	T	.	.	T	.	.	.	.	.	.	.	.	.
NEW SUDBURY	KENNEDY STREET	77075	I	76	46:31	80:57	5	T	.	.	T	.	.	.	.	.	.	.	.	.
SUDBURY	LONG LAKE ROAD (VILLA LOYOLA)	77096	I	80	46:24	81:01	4	T	.	.	T	.	.	.	.	.	.	.	.	.
SUDBURY	MIKKOLA (J. HAMILTON SCHOOL)	77201	I	82	46:25	81:07	5	T	.	.	T	.	.	.	.	.	.	T	T	T
SUDBURY	SCIENCE NORTH	77203	A	84	46:28	80:59	10	T	T	T	T	T	T	T	T	.	T	T	T	
RAYSIDE	ST LAURENT/REGIONAL RD.	77206	I	85	46:36	81:06	4	T	.	.	T	.	.	.	.	.	.	.	.	.
COPPER CLIFF	LOT 2-PLAN M-1025	77218	I	87	46:28	81:04	4	T	.	.	T	.	.	.	.	.	.	.	.	.
SUDBURY	GATCHELL	77220	I	88	46:28	81:00	4	T	.	.	T	.	.	.	.	.	.	.	.	.
SUDBURY	1412 STEPHEN STREET	77225	I	90	46:28	81:00	4	T	.	.	T	.	.	.	.	.	.	.	.	.
TOTAL NUMBER OF INSTRUMENTS:								61	41	27	47	36	36	36	6	1	1	34	31	33

LEGEND:

SO₂ - Sulphur Dioxide
COH - Coefficient of Haze
CO - Carbon Monoxide
O₃ - Ozone
NO₂ - Nitrogen Dioxide
NO - Nitric Oxide
NO_x - Oxides of Nitrogen

THC - Total Hydrocarbon
RHC - Reactive Hydrocarbons
CH₄ - Methane
TRS - Total Reduced Sulphur
API - Air Pollution Index
AQI - Air Quality Index

TABLE A-2 THE PARTICULATE (DAILY) NETWORK (1993)

SINGLE DIGITS - CYCLE DURATION IN DAYS (W=WEEKDAY ONLY) ID - STATION IDENTIFICATION NUMBER		TYPE - A: AMBIENT SURVEY; I: SOURCE SPECIFIC SURVEY LAT - LATITUDE(DEGREES:MINUTES)		ELEV - AIR INTAKE HEIGHT ABOVE GROUND (METERS) LONG - LONGITUDE(DEGREES:MINUTES)																				
CITY	STATION NAME	ID	TYPE	YR	LAT	LONG	ELEV (M)	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO _x	SO ₄ ²⁻	C1	Sb	C	RAD		
ST. MARYS	309 THOMAS ST.	11001	I	79	43:15	81:09	3	6
WINDSOR	7730 RIVERSIDE DR E	12005	A	78	42:20	82:57	7	6	6	6	6	6	6	6	6	6	.	.	.	.	.	.	.
LA SALLE	BEACH LANE/HMY 18	12006	A	83	42:14	83:06	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	MRIGHT/WATER ST	12007	I	84	42:17	83:06	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	467 UNIVERSITY AV W	12008	A	70	42:19	83:03	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
WINDSOR	9725 RIVERSIDE DR E LITTLE RIVER	12009	A	71	42:20	82:56	2	6	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
WINDSOR	DRUILLARD RD/RICHMOND ST	12011	I	88	42:19	83:00	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	FILTRAT PLT.3665 WYANDOTTE ST E	12013	I	71	42:19	83:00	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	SEWAGE STN, HMY 18/PROSPECT	12015	A	71	42:17	83:05	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	COLLEGE/SOUTH ST	12016	A	75	42:18	83:04	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	1802 GEORGE AV	12036	A	77	42:19	82:59	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
WINDSOR	3225 CALIFORNIA ST	12037	A	77	42:16	83:02	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
WINDSOR	2885 HOWARD AV	12038	I	77	42:17	83:01	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	DOUGALL/E.C. ROW W	12039	I	78	42:17	83:01	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	DORWIN PLAZA, DOUGALL AV	12047	A	85	42:17	83:02	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WINDSOR	643 ALEXANDRINE	12049	I	85	42:17	83:01	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
AMHERSTBURG	415 FRONT ST	12053	I	81	42:08	83:07	11	6	.	.	.	.	.	.	.	.	.	.	.	.	.	6	.
AMHERSTBURG	227 TEXAS RD.	12054	I	91	42:07	83:06	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SARNIA	DUFF ST. (E END)	12055	I	91	42:07	83:06	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SARNIA	GENERAL HOSPITAL, 220 HITTON ST	14001	A	62	42:58	82:24	22	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COURTRIGHT	HMY40 (OPP LAMBTON GS)	14016	A	69	42:48	82:29	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
CORUNNA	R.R. #1 (W OF HOUSE)	14030	I	78	42:53	82:17	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
MOORETOWN	R.R. #1 (W OF BARN)	14031	I	78	42:52	82:18	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
CORUNNA	ST CLAIR BLVD/HMY 40	14059	A	76	42:53	82:27	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SARNIA	CENTENNIAL PK, FRONT ST/CN TRACKS	14064	A	76	42:59	82:24	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
SARNIA	DAVID/FRONT ST	14151	A	79	42:59	82:24	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LONDON	MRN FAIR GROUNDS, KING/RECTORY	15001	A	70	42:59	81:13	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
ST. THOMAS	EDGEWARE RD (NNW VARTA PLT)	15008	I	81	42:48	81:09	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
LONGWOODS	CONSERVATION AUTHORITY	15009	A	83	42:53	81:29	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
LONDON	POND MILLS RD/DEVERON CRES	15014	I	86	42:58	81:12	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
LONDON	951 COMMISSIONERS RD E	15015	I	86	42:58	81:13	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
LONDON	801 COMMISSIONERS RD E	15016	I	86	42:57	81:13	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
LONDON	8 MOUNTSFIELD DR	15017	I	86	42:58	81:15	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
BEACHVILLE	CYANAMIDE RD (GORDON PROP)	17014	I	74	43:04	80:51	2	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST (MOE TRAILER)	17015	I	89	43:04	80:51	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
INGERSOLL	HMY 2 RR 2 (J SPRIEL PROP)	17020	I	81	43:04	80:51	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EMBRO	OXFORD CTY RD 6 (HESSTON FARM)	17021	I	83	43:06	80:52	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
WOODSTOCK	423 DEVONSHIRE AVE. (LODGE)	17023	I	91	43:03	80:45	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WOODSTOCK	VANSITTART AVE (LYON'S POOL)	17024	I	91	43:08	80:46	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WOODSTOCK	ADMIRAL ST. (SEWAGE PLANT)	17025	I	91	43:08	80:46	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
TIVERTON	CONCESSION RD 2 LOT A	18007	I	80	44:18	81:32	2	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
TIVERTON	CONCESSION RD 4 LOT D	18008	I	80	44:18	81:32	2	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
TIVERTON	CONCESSION RD 6 LOT E	18009	I	80	44:19	81:32	2	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
TIVERTON	CONCESSION RD 8 LOT 6	18010	I	80	44:20	81:30	2	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
TIVERTON	CONCESSION RD 10 LOT F	18011	I	80	44:21	81:30	2	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
NANTICOKE	RAINHAM RD/SANDUSK RD	22092	I	85	42:49	80:02	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
NANTICOKE	WALPOLE S PS. SANDUSK RD	22904	I	84	42:50	80:02	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
NANTICOKE	RAINHAM RD (NEAR STELCO GATE)	22907	I	84	42:49	80:05	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
NANTICOKE	NANTICOKE RD/WALPOLE CON 2	22961	I	79	42:49	80:04	3	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
NANTICOKE	N 2 KM NANTICOKE GS	22964	I	84	42:50	80:05	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ST. CATHARINES	71 KING ST	27008	A	87	43:10	79:15	12	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	
WELLAND	337 ALBERTA/DEVON ST	27045	I	78	42:58	79:15	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
PORT COLBORNE	DAVIS/FRAZER	27047	I	79	42:53	79:15	3	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
NIAGARA FALLS	4057 VICTORIA AV	27050	I	79	43:07	79:04	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
THOROLD	185 QUEEN ST S	27052	I	82	43:07	79:12	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	.	

TABLE A-2 (cont.) THE PARTICULATE (DAILY) NETWORK (1993)

SINGLE DIGITS - CYCLE DURATION IN DAYS (W-WEEKDAY ONLY)			TYPE - A: AMBIENT SURVEY; I: SOURCE SPECIFIC SURVEY															ELEV - AIR INTAKE HEIGHT ABOVE GROUND (METERS)										
ID - STATION IDENTIFICATION NUMBER			LAT - LATITUDE (DEGREES:MINUTES)					LONG - LONGITUDE (DEGREES:MINUTES)																				
CITY	STATION NAME	ID	TYPE	YR	LAT	LONG	ELEV (M)	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO _x	SO ₄ ²⁻	C ₁	Sb	C	RAD						
NIAGARA FALLS	STP GROUNDS, STANLEY AV	27055	I	82	43:08	79:05	4	6
NIAGARA FALLS	NIAGARA F- ALLENDALE	27056	A	83	43:05	79:05	5	6	
GUELPH	HANLON EXPY/SPEED RIVER	28027	I	81	43:55	80:26	6	6	
HAMILTON	ELGIN/KELLY	29000	A	88	43:15	79:52	4	6	
HAMILTON	KENILWORTH	29009	A	69	43:15	79:49	6	6	
HAMILTON	BURLINGTON/LEEDS	29011	I	73	43:16	79:49	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
HAMILTON	CHATHAM/FRID	29017	I	69	43:15	79:54	5	6	
HAMILTON	BARTON/MENTWORTH	29025	I	69	43:16	79:51	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
HAMILTON	450 HUGHSON ST N	29067	A	73	43:16	79:52	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
HAMILTON	405 CUMBERLAND AV	29087	A	79	43:15	79:50	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	BAY/MAIN ST	29098	A	83	43:15	79:53	23	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
HAMILTON	467 BEACH BLVD	29102	I	85	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
HAMILTON	NASH/KENTLY DR.	29105	A	85	43:13	79:46	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GREENSVILLE	OFIELD RD/HWY 5	29111	I	86	43:18	79:59	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GREENSVILLE	HARVEST RD/WEBSITE	29112	I	87	43:17	79:59	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	GERTRUDE/DEPEW	29113	I	86	43:15	79:49	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	VICKERS RD/EAST 18TH ST	29114	A	85	43:14	79:52	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
HAMILTON	MAIN ST/W HWY 403	29118	A	85	43:15	79:54	3	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	MORLEY ST/PARKDALE AV	29119	I	86	43:15	79:47	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	DUNDURN/YORK	29122	A	87	43:16	79:53	10	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	BUCHANAN PARK PS	29124	A	88	43:14	79:53	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	EWEN RD/WHITNEY AV	29130	A	87	43:15	79:56	1	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	ALBRIGHT RD/MT ALBION RD	29135	A	87	43:13	79:48	8	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	BRUCE PS, 51 LARCHMOUNT AV	31045	I	86	43:40	79:20	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
TORONTO	MOSLEY/LESLIE STS	31058	I	73	43:40	79:20	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
TORONTO	A.R.CLARKE CO. 633 EASTERN AVE.	31065	I	87	43:40	79:20	12	1	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
TORONTO	WORKS DEPT, 138 HAMILTON AV	31082	I	74	43:40	79:21	5	1	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
TORONTO	TECUMSEH/NIAGARA ST	31085	I	79	43:38	79:24	5	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
TORONTO	BAY/GROSVENOR	31103	A	81	43:40	79:23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
TORONTO	PERTH/RUSKIN(JUNCTION TRIANGLE)	31120	A	81	43:39	79:27	9	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
TORONTO	FORT YORK	31183	I	87	43:38	79:24	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
EAST YORK	LEASIDE HYDRO STATION	32010	A	87	43:42	79:21	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
SCARBOROUGH	LAMRENCE/KENNEDY	33003	A	70	43:45	79:16	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
NORTH YORK	HENDON AVE (YONGE/FINCH)	34020	A	89	43:46	79:25	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
NORTH YORK	35 EDGAR AVE	34025	A	87	43:43	79:32	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
NORTH YORK	111 FENMAR DRIVE	34034	I	92	43:45	79:33	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
ETOBICOKE	ELMCREST RD (CENTENNIAL PK)	35003	A	69	43:39	79:35	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
ETOBICOKE	EVANS/ARNOLD AV	35033	A	69	43:37	79:31	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
YORK	CLEARVIEW HTGS/KEELE ST	36030	A	89	43:41	79:28	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
OAKVILLE	2487 LAKESHORE RD. E	44005	I	86	43:29	79:38	1	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W			
OAKVILLE	HWY 2/NORTH SHORE BLVD E	44008	A	79	43:18	79:48	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
OAKVILLE	BRONTE RD/WOBURN CRES	44015	I	80	43:24	79:44	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
PICKERING	FIRE HALL, BAYLY/BROCK	45001	I	70	43:50	79:04	1	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
AJAX	AJAX-PICKERING HOSP	45007	I	75	43:50	79:01	15	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
OSHAWA	PS, RITSON RD/OLIVE AV	45025	A	79	43:53	78:51	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
BRAMALEA	FIRE HALL, BRAMALEA RD	46033	A	69	43:42	79:42	3	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
MISSISSAUGA	2365 DIXIE RD	46045	I	73	43:36	79:35	5	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
MISSISSAUGA	2360 DIXIE RD	46046	I	73	43:36	79:35	12	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
MISSISSAUGA	QUEENSWAY W/HURONTARIO ST	46110	A	78	43:34	79:37	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
MISSISSAUGA	MEADOW PARK, APPLE LANE C C	46117	I	87	43:31	79:36	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
STOUFFVILLE	HWY47/E OF HWY48	48002	A	80	43:58	79:16	1	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
DORSET	HWY117 PAINT LAKE ROAD	49011	A	87	45:13	78:56	1	6	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
FORT FRANCES	CEMETERY, COLONIZATION RD W	62032	I	76	48:37	93:25	5	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
FORT FRANCES	LEGION BLDG, 250 CHURCH ST	62035	I	74	48:36	93:23	9	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
THUNDER BAY	CAN-CAR, MONTREAL ST	63046	I	78	48:21	89:18	3	6	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.

TABLE A-2 (cont.) THE PARTICULATE (DAILY) NETWORK (1993)

SINGLE DIGITS = CYCLE DURATION IN DAYS (W=WEEKDAY ONLY) ID = STATION IDENTIFICATION NUMBER		TYPE = A:AMBIENT SURVEY; I:SOURCE SPECIFIC SURVEY		ELEV = AIR INTAKE HEIGHT ABOVE GROUND (METERS)																		
CITY	STATION NAME	ID	TYPE	YR	LAT	LONG	ELEV (M)	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO _x	SO ₄ ²⁻	Cl	Sb	C	RAD
THUNDER BAY	MTC 615 JAMES ST S	63200	A	86	48:23	89:17	3	6	.	.	.	1	1	.	6	.	6	6	.	.	1	.
SAULT STE MARIE	PUMPHOUSE, BONNEY ST	71042	I	75	46:31	84:23	1	1	.	.	.	6	6	.	6	.	6	.	.	6	.	.
SAULT STE MARIE	LAND OFFICE, QUEEN ST	71049	A	75	46:31	84:20	6	6	.	.	.	6	6	.	6	.	6	6	.	.	6	.
SAULT STE MARIE	WM. MERRIFIELD SCHOOL	71068	A	87	46:32	84:21	3	3	.	.	.	3	3	.	3	.	3	3	.	.	3	.
WAWA	165 GOVERNMENT ROAD	71074	A	93	48:00	84:79	1	3	.	.	.	1	1	.	1	.	1	1	.	.	1	.
WAWA	3 MAPLE STREET/WAWA COLLEGE	71075	A	93	47:99	84:78	1	3	.	.	.	1	1	.	1	.	1	1	.	.	1	.
HEARST	TREMBLAY ST (E OF QUIRION)	72083	I	90	49:41	83:38	6	3	.	.	.	6	6	.	6	.	6	6	.	.	6	.
NEW LISKEARD	10169 LAKESHORE RD	75046	I	91	46:34	79:41	1	1	.	.	.	6	6	.	6	.	6	6	.	.	6	.
SUDSBURY	19 LISGAR ST	77026	A	72	46:30	81:00	14	6	.	.	.	6	6	.	6	.	6	6	.	.	6	.
ESPAÑOLA	POST OFFICE, SPRUCE/BARBER ST	77029	A	77	46:16	81:46	6	6	.	.	.	6	6	.	6	.	6	6	.	.	6	.
COPPER CLIFF	PUMPHOUSE, NICKEL ST	77070	I	76	46:28	81:04	5	6	.	.	.	6	6	.	6	.	6	6	.	.	6	.
TOTAL NUMBER OF INSTRUMENTS:								116	40	40	41	45	43	43	64	40	30	30	8	4	13	13

LEGEND:

TSP - Total Suspended Particulate
Cd - Cadmium
Cr - Chromium
Cu - Copper

Fe - Iron	V - Vanadium	Sb - Antimony
Mn - Manganese	NO _x - Nitrate	C - Carbon
Ni - Nickel	Cl - Chlorine	RAD - Radiation
Pb - Lead	SO ₄ ²⁻ - Sulphate	

TABLE A-3 THE PARTICULATE (MONTHLY) NETWORK (1993)

1 - LAB ANALYSIS DONE FOR GIVEN PARAMETER		YR - YEAR STATION BEGAN		ID - STATION IDENTIFICATION NUMBER																				
TYPE - A:AMBIENT SURVEY; I:SOURCE SPECIFIC SURVEY				ELEV - AIR INTAKE HEIGHT ABOVE GROUND (METERS)								LAT - LATITUDE (DEGREES:MINUTES)				LONG - LONGITUDE (DEGREES:MINUTES)				OTHERS				
CITY	STATION NAME	ID	ELEV (M)	TYPE	LAT	LONG	YR	TDF	Cd	Co	Cr	Cu	Fe	Mn	Na	Ni	Pb	V	Zn	NO _x	SO ₄ ²⁻	FLR	OM	OTHERS
WINDSOR	WRIGHT/WATER ST.	12007	4	I	42:17	83:06	85	1	.	.	.
WINDSOR	467 UNIVERSITY AV. WEST	12008	8	A	42:19	83:03	71	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
WINDSOR	SEWAGE STN, HMY 18/PROSPECT	12015	5	I	42:17	83:05	71	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
WINDSOR	COLLEGE/SOUTH STREET	12016	4	A	42:18	83:04	75	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
LASALLE	225 WILLOW DRIVE	12040	5	A	42:14	83:06	78	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
AHHERSTBURG	415 FRONT STREET	12053	11	I	42:08	83:07	81	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
AHHERSTBURG	57 NORTH STREET	12074	5	I	42:06	83:06	71	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
AHHERSTBURG	459 TEXAS ROAD	12087	4	I	42:07	83:05	75	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
AHHERSTBURG	326 TEXAS ROAD	12088	4	I	42:07	83:06	75	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
AHHERSTBURG	210 BALACLAVA	12092	4	I	42:07	83:06	75	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
AHHERSTBURG	208-210 ALMA STREET	12095	4	I	42:06	83:06	75	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
BLENNHEIM	ST. MARY'S PUBLIC SCHOOL	13009	3	I	42:20	83:00	93	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
COURTRIGHT	CON RD. 14 (E OF RMY TRACK)	14004	4	I	42:45	82:27	71	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
LONDON	POND MILLS RD./DEVON CRES.	15014	5	I	42:57	81:12	86	1	1	.	1	1	1	1	1	1	1	1	1	.	As,Be,Sb,Li,Sn,Ti,Se	.	.	
LONDON	951 COMMISSIONERS RD. EAST	15015	4	I	42:58	81:13	86	1	1	1	1	1	1	1	1	1	1	1	1	.	As,Be,Sb,Li,Sn,Ti,Se	.	.	
LONDON	801 COMMISSIONERS RD. EAST	15016	4	I	42:57	81:13	86	1	1	1	1	1	1	1	1	1	1	1	1	.	As,Be,Sb,Li,Sn,Ti,Se	.	.	
LONDON	8 MOUNTFIELD DRIVE	15017	4	I	42:58	81:15	86	1	1	1	1	1	1	1	1	1	1	1	1	.	As,Be,Sb,Li,Sn,Ti,Se	.	.	
INGERSOLL	CARNEGIE/BRUCE STREET	17007	4	I	43:02	80:53	77	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
INGERSOLL	PEMBERTON ST. (CIL ENTRANCE)	17009	4	I	43:03	80:52	77	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
BRANTFORD	35 HENRY ST. (ROOF)	21031	4	I	43:09	80:15	90	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
BRANTFORD	10 ALICE ST. (BACKYARD)	21032	1	I	43:09	80:15	90	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
NANTICOKE	LAUREK PROPERTY	22057	4	I	42:41	86:24	72	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
NANTICOKE	NANTICOKE ROAD	22070	4	I	42:48	80:05	74	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
NANTICOKE	TEXACO PROPERTY	22074	4	I	42:49	80:03	75	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
JARVIS	HMY 6/QUARTERLINE ROAD	22083	4	I	42:48	80:09	74	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
NANTICOKE	RANIHAM ROAD/SANDUSK ROAD	22092	4	I	42:49	80:02	85	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
NANTICOKE	NANTICOKE GS (FLYASH PILE)	22093	3	I	42:48	80:02	85	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
CALEDONIA	STERLING ST (OPP. MARCO CD)	22101	4	I	43:06	79:96	92	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
CALEDONIA	220 MACRAE DR (POLE IN FRONT)	22103	4	I	43:06	79:96	92	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
NANTICOKE	NANTICOKE RD/WALPOLE CON 2	22961	3	I	42:49	80:04	86	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
CHIPIWA	7961 PORTAGE ROAD	27005	5	I	43:03	70:03	73	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
WELLAND	474 HARRIET STREET	27025	5	I	42:58	79:14	71	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
WELLAND	228 CHAFFEY STREET	27026	5	I	42:58	79:14	71	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
WELLAND	383 ALBERTA STREET	27035	5	I	42:58	79:14	75	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
ST CATHARINES	37 PLYMOUTH AVENUE	27040	4	I	43:10	79:13	78	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
ST CATHARINES	GLENDALE AV/QEW	27041	4	I	43:09	79:11	78	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
THOROLD	NIAGARA FALLS RD/ONTARIO ST.	27042	5	I	43:06	79:11	78	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
ST CATHARINES	GM FOUNDRY	27063	4	I	43:08	79:11	86	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	HUGHSON/HUNTER	29001	9	I	43:15	79:52	61	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Mo	
HAMILTON	QUEENSTON	29006	5	I	43:14	79:48	61	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
HAMILTON	KENILWORTH	29009	6	I	43:15	79:49	69	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	OTTAWA/BURLINTON	29010	5	I	43:15	79:49	61	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Mo	
HAMILTON	BURLINTON/LEEDS	29011	5	I	43:16	79:49	66	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	BURLINTON/WELLINGTON	29012	7	I	43:16	79:59	69	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	BARTON/WENTWORTH	29025	4	I	43:16	79:15	70	1	.	.	.	.	.	.	.	.	.	.	1	1	.	.	
HAMILTON	ROOSEVELT/BEACH	29036	5	I	43:15	79:48	70	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Mo	
HAMILTON	312 BEACH BLVD.	29044	5	I	43:16	79:46	70	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	BEACH/CONRAD	29054	3	I	43:15	79:48	70	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	BURL/GAGE PUMPING STATION	29059	5	I	43:16	79:49	70	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	BRIARWOOD VOC SCHOOL	29062	8	I	43:16	79:48	70	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	KILLARNEY ST. (POLE #2)	29066	5	I	43:17	79:47	73	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
GREENSVILLE	KANE/HYLTON RESIDENCE	29074	5	I	43:17	79:58	74	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
GREENSVILLE	HELDUM/WESTIE STREETS	29076	5	I	43:17	79:15	74	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	1190 LEASIDE ROAD	29082	4	I	43:15	79:46	77	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	
HAMILTON	REMBE/BEACH BLVD.	29084	4	I	43:17	79:47	79	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	

TABLE A-3 (cont.) THE PARTICULATE (MONTHLY) NETWORK (1993)

1 - LAB ANALYSIS DONE FOR GIVEN PARAMETER		YR = YEAR STATION BEGAN		ID = STATION IDENTIFICATION NUMBER																ELEV = AIR INTAKE HEIGHT ABOVE GROUND (METERS)		LAT = LATITUDE (DEGREES:MINUTES)				LONG = LONGITUDE (DEGREES:MINUTES)			
TYPE	AMBIENT SURVEY; I: SOURCE SPECIFIC SURVEY			ID	ELEV (M)	TYPE	LAT	LONG	YR	TDF	Cd	Co	Cr	Cu	Fe	Mn	Na	Ni	Pb	V	Zn	NO ₃	SO ₄ ²⁻	FLR	OM	OTHERS			
HAMILTON	OFIELD ROAD (MAYS PROPERTY)	29096	4	I	43:18	79:59	82		1			
GREENSVILLE	4TH CONCESSION ROAD	29097	4	I	43:18	79:59	82		1	.	i	i	i	i	i	i	i	i	i	i	i	i	i	i	Mo				
HAMILTON	467 BEACH BLVD.	29102	4	I	43:17	79:47	85		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	LONDON/JUSTINE (NW CORNER)	29115	4	I	43:14	79:49	88		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	DALKEITH/OTTAWA	29116	4	I	43:15	79:49	86		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	MORLEY ST/PARKDALE AV.	29119	4	I	43:15	79:47	86		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	12 DICKSON STREET	29120	4	I	43:16	79:50	86		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	ROSSLYN/MONTCLAIR, NE CORNER	29126	4	I	43:14	79:49	88		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	LAWRENCE/BALMORAL	29127	4	I	43:14	79:49	88		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	PROVINCE/JUSTINE	29129	4	I	43:13	79:49	88		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	CENTRAL/GRAHAM (NW CORNER)	29131	4	I	43:14	79:49	88		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
HAMILTON	605 NEBO RD (POLE)	29137	4	I	43:18	79:84	91		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	NEBO RD (RYDER CONCRETE)	29138	4	I	43:17	80:58	91		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
STONEY CREEK	BARTON ST E./GLOVER	29141	4	I	43:21	79:68	92		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	KENORA/KEEFER CT	29142	4	I	43:24	79:76	92		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	KEEFER COURT	29143	4	I	43:24	79:76	92		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
STONEY CREEK	BARTON/MCNEILLY RD	29144	4	I	43:21	79:66	92		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	CHATHAM/FANNING	29217	4	I	43:15	79:53	87		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	80 CAMEO AVE. (POLE IN FRONT)	29230	4	I	43:13	79:51	87		1	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i					
HAMILTON	8 AUDREY AVE. (POLE IN FRONT)	29231	4	I	43:14	79:51	87		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GREENSVILLE	OLFIELD RD. S/HWY 5	29273	4	I	43:17	79:59	88		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
TORONTO	661 EASTERN AVENUE	31019	5	I	43:39	79:20	70		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	BATHURST/FRONT STREETS	31050	4	I	43:38	79:24	72		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	PORTLAND/WELLINGTON STREET	31054	4	I	43:38	79:24	73		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	TECUMSETH ST. (THE END)	31055	4	I	43:38	79:24	73		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	HOSLEY/LESLIE STREETS	31058	5	I	43:40	79:20	75		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	RUSHBROOK/EASTERN AVENUE	31059	4	I	43:39	79:20	73		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	LESLIE/QUEEN STREET EAST	31060	4	I	43:40	79:20	73		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	633 EASTERN AVENUE	31065	12	I	43:40	79:20	87		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	CNR PROPERTY, TECUMSEH ST.	31074	5	I	43:38	79:24	74		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	WORKS DEPT., 138 HAMILTON AVE.	31082	5	I	43:40	79:21	74		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	TECUMSETH/NIAGARA STREET	31085	5	I	43:38	79:24	79		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	WELLINGTON ST (POLE #BT 78)	31182	4	I	43:38	79:24	87		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	FORT YORK	31183	3	I	43:38	79:24	87		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	TECUMSEH ST. (NW NIAGARA ST.)	31184	4	I	43:38	79:24	87		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SCARBOROUGH	PARKS DEPT YARD, BRIMLEY RD	33038	5	I	43:44	79:14	86		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SCARBOROUGH	BRIMLEY RD (POLE 74C)	33039	5	I	43:44	79:15	86		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
NORTH YORK	YELLAND STREET	34030	5	I	43:42	79:31	88		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
NORTH YORK	111 FENMAR DRIVE	34034	5	I	43:45	79:33	92		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ETOBICOKE	70 JUDSON STREET	35016	5	I	43:37	79:30	88		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ETOBICOKE	60 JUDSON STREET	35017	5	I	43:37	79:30	88		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ETOBICOKE	JUDSON STREET	35018	5	I	43:37	79:30	88		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ETOBICOKE	24 HAROLD STREET	35019	5	I	43:37	79:30	88		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
YORK	425A GILBERT AVENUE	36028	3	I	43:41	79:27	86		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
OAKVILLE	2487 LAKESHORE E/BIRBANK RDS.	44005	2	I	43:29	79:38	71		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
OAKVILLE	494 WINSTON CHURCHILL ROAD	44006	2	I	43:29	79:38	71		1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
MILTON	HALTON SPORTSMAN STEELES AVE	44033	5	I	43:30	79:54	90		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
MILTON	HWY22/STEELES AVENUE	44034	5	I	43:30	79:54	90		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
MILTON	HWY22/TOWNLINE (BELL POLE F5)	44035	5	I	43:30	79:54	90		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
MILTON	#21FIRST LINE/STEELES	44036	5	I	43:30	79:54	90		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
BURLINGTON	5223 HWY5	44100	5	I	43:25	79:48	78		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
BURLINGTON	5236 HWY5	44101	1	I	43:25	79:48	86		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
BURLINGTON	2282 ORCHARD ROAD	44102	1	I	43:24	79:48	86		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
BURLINGTON	LAIDLAW BUS YARD/HWY 5	44103	5	I	43:25	79:48	89		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	
BURLINGTON	APPLEBY LINE/HARRISON	44104	5	I	43:24	79:48	89		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	

TABLE A-3 (cont.) THE PARTICULATE (MONTHLY) NETWORK (1993)

1 - LAB ANALYSIS DONE FOR GIVEN PARAMETER TYPE - A:AMBIENT SURVEY; I:SOURCE SPECIFIC SURVEY		YR - YEAR STATION BEGAN SURVEY		ID - STATION IDENTIFICATION NUMBER ELEV - AIR INTAKE HEIGHT ABOVE GROUND (METERS) LAT - LATITUDE (DEGREES:MINUTES) LONG - LONGITUDE (DEGREES:MINUTES)																				
CITY	STATION NAME	ID	ELEV (M)	TYPE	LAT	LONG	YR	TDF	Cd	Co	Cr	Cu	Fe	Mn	Na	Ni	Pb	V	Zn	NO ₃	SO ₄ ²⁻	FLR	OM	OTHERS
BURLINGTON	HARRISON CT (N END)	44105	5	I	43:24	79:48	89																1	
BOWMANVILLE	2 LAKE DRIVE	45042	5	I	43:53	78:40	88	1																
BOWMANVILLE	36 CEDARCREST BEACH	45044	1	I	43:53	78:40	88	1																
BOWMANVILLE	COVE ROAD (HYDRO POLE)	45045	4	I	43:53	78:40	90	1																
WHITBY	THICKSON ROAD (POLE #330)	45061	4	I	43:51	78:54	87	1	1	1	1	1	1	1	1	1	1	1	1	1	1			Mo
WHITBY	THICKSON ROAD (POLE #39)	45063	4	I	43:51	78:54	87	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Mo
MISSISSAUGA	VENTA AV/DENISE ROAD	46009	5	I	43:36	79:34	72	1																
MISSISSAUGA	PS. MELTON DR/RAMBO	46011	4	I	43:36	79:34	72	1																
MISSISSAUGA	HWY 122/SOUTHDOWN ROAD	46027	2	I	43:30	79:38	71																1	
MISSISSAUGA	SOUTHDOWN/ORE ROADS	46029	5	I	43:30	79:37	71	1															1	
MISSISSAUGA	1223 KANE ROAD	46030	5	I	43:33	79:36	92	1						1		1		1	1	1				Mo
MISSISSAUGA	KANE ROAD (ESSO GATE)	46032	5	I	43:33	79:35	92	1					1		1		1	1	1	1				Mo
MISSISSAUGA	2365 DIXIE ROAD	46045	5	I	43:36	79:35	74	1																
MISSISSAUGA	2360 DIXIE ROAD	46046	12	I	43:36	79:35	74	1																
MISSISSAUGA	MISSISSAUGA RD SOUTH/PORT ST	46047	5	I	43:33	79:35	92	1					1		1		1	1	1					Mo
MISSISSAUGA	PINE AVE (BRIARWOOD MOTORS)	46049	5	I	43:32	79:35	92	1					1		1		1	1	1					Mo
MISSISSAUGA	QUEEN STREET/PINE AVENUE	46053	5	I	43:32	79:36	88	1					1		1		1	1	1					
BRAMPTON	BURTON ROAD (END)	46081	3	I	43:41	79:46	75																1	
BRAMPTON	506 MAIN STREET NORTH (OPP)	46084	5	I	43:42	79:46	77																1	
BRAMPTON	PROUSE DRIVE/LINKDALE ROAD	46085	5	I	43:42	79:46	79																1	
BRAMPTON	56 BARRONWOOD COURT	46086	2	I	43:42	79:46	79																1	
MISSISSAUGA	493 BOB-O-LINK ROAD	46097	5	I	43:30	79:36	77	1																
MISSISSAUGA	1801 ORR STREET	46099	5	I	43:30	79:37	77	1																
MISSISSAUGA	QUEEN/MATLOCK STREET	46105	5	I	43:35	79:43	78																1	
MISSISSAUGA	BRITANNIA ROAD W/PIONEER ST.	46106	5	I	43:35	79:43	78																1	
MISSISSAUGA	MEADOW PARK, APPLE LANE CLUB	46117	5	I	43:31	79:36	87	1	1	1	1	1	1	1	1	1	1	1	1	1			Mo	
BRAMPTON	WANLESS DRIVE (HYDRO POLE #68)	46120	5	I	43:43	79:49	88																1	
BRAMPTON	HIGHWAY 10 (HYDRO POLE #3188)	46121	5	I	43:42	78:34	88																	
BRAMPTON	SANDALWOOD DR.(HYD. PL#1124)	46122	5	I	43:43	79:48	88																1	
BRAMPTON	HUNTLEY PK/SANDALWOOD PKWY.	46123	5	I	43:43	79:48	88																1	
MISSISSAUGA	LAKEVIEW GS 920 EASTERN, PLE39	46260	5	I	43:34	79:33	89	1																
HARA	RR#3(BEAVERTON) HARA TWNSHP.	47025	2	I	44:30	79:09	88	1																
HARA	HYDRO POLE ROAD #50	47026	5	I	44:30	79:09	88	1																
HARA	RR#1 (BRECHIN) HARA TOWNSHIP	47027	5	I	44:30	79:09	88	1																
PORT HOPE	VICTORIA ST/HIGHLAND DRIVE	58007	5	I	43:57	78:19	69																1	
PORT HOPE	377 LAKESHORE ROAD	58008	5	I	43:57	78:19	69																1	
PORT HOPE	28 SULLIVAN STREET	58014	5	I	43:57	78:18	72																1	
PORT HOPE	4 WARD STREET	58015	6	I	43:57	78:17	72																1	
PORT HOPE	51 SHUTER STREET	58027	4	I	43:57	78:17	75	1														1		U.F,Mg
PORT HOPE	2 CHOATE STREET	58028	4	I	43:56	78:18	75	1														1		U.F,Mg
PORT HOPE	HYDRO STATION, SHUTER STREET	58032	2	I	43:57	78:17	83																1	
PORT HOPE	159 PETER STREET	58037	3	I	43:57	78:16	83																1	
PORT HOPE	109 ELGIN STREET	53038	5	I	43:57	78:17	83																1	
PORT HOPE	51 SHUTER STREET	58039	5	I	43:57	78:17	83																1	
PORT HOPE	2 CHOATE STREET	58040	4	I	43:56	78:18	83																1	
PORT HOPE	FILTRATION PLANT, MARSH ST.	58041	1	I	43:56	78:18	84	1														1		U.F,Mg
PORT HOPE	CANADIAN TIRE, QUEEN STREET	58042	1	I	43:57	78:17	84	1														1		U.F,Mg
PORT HOPE	109 ELGIN STREET	58043	5	I	43:57	78:17	83																1	
FORT FRANCES	CEMETERY, COLONIZATION RD. W	62032	5	I	48:37	93:25	74	1															1	
FORT FRANCES	NELSON STREET/PORTAGE AVE.	62033	4	I	48:36	93:23	74	1															1	
FORT FRANCES	FIRST STREET/VICTORIA AVENUE	62034	4	I	48:36	93:23	74	1															1	
FORT FRANCES	LEGION BUILDING, 250 CHURCH ST	62035	9	I	48:36	93:23	74	1															1	
FORT FRANCES	SINCLAIR ST/VICTORIA AVENUE	62036	4	I	48:36	93:23	74	1															1	
FORT FRANCES	REID AVENUE/GILLON STREET	62037	4	I	48:36	93:22	76	1															1	
FORT FRANCES	308 SINCLAIR STREET	62046	4	I	48:36	93:23	78	1															1	

TABLE A-3 (cont.) THE PARTICULATE (MONTHLY) NETWORK (1993)

1 = LAB ANALYSIS DONE FOR GIVEN PARAMETER
 TYPE - A:AMBIENT SURVEY; I:SOURCE SPECIFIC SURVEY

YR = YEAR STATION BEGAN

ID = STATION IDENTIFICATION NUMBER
 ELEV = AIR INTAKE HEIGHT ABOVE GROUND (METERS) LAT = LATITUDE (DEGREES:MINUTES) LONG = LONGITUDE (DEGREES:MINUTES)

CITY	STATION NAME	ID	ELEV (M)	TYPE	LAT	LONG	YR	TDF	Cd	Co	Cr	Cu	Fe	Mn	Na	Ni	Pb	V	Zn	NO ₃	SO ₄	FLR	OM	OTHERS
FORT FRANCES	319 NELSON STREET	62050	3	I	48:36	93:23	82	1	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	.
THUNDER BAY	CAN-CAR, MONTREAL STREET	63046	3	I	48:21	89:18	78	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
THUNDER BAY	TOTEM TRAILER PK, HMY 61B	63047	4	I	48:35	83:30	77	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SAULT STE MARIE	PS, PITTSBURG/YOUNG STREET	71015	11	I	46:31	84:22	70	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SAULT STE MARIE	PUMPHOUSE, BONNEY STREET	71042	1	I	46:31	84:23	75	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
SAULT STE MARIE	WILDING/WALLACE TERRACE	71043	5	I	46:31	84:22	75	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SAULT STE MARIE	73 ADELAIDE STREET	71045	5	A	46:31	84:21	75	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SAULT STE MARIE	FAIRVIEW AVENUE	71046	5	A	46:33	84:21	75	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HEARST	SECOND/FRONT STS (HYDRO PLE)	72018	4	I	49:41	83:38	76	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TIMMINS	GILLIES STREET	72026	5	A	48:28	81:21	91	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	IDENT
TIMMINS	WAFERBOARD PLANT, HGHWY. 101	72034	5	A	48:26	81:27	91	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	IDENT
KAPUSKASING	2 MCPHERSON AVENUE	72060	4	I	49:24	82:25	80	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
KAPUSKASING	4 RIVERSIDE DRIVE	72061	4	I	49:24	82:25	80	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	IDENT
HEARST	CUSTOM SAWMILL RD(LEBLANC)	72080	5	I	49:41	83:38	84	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HEARST	HIGHWAY 11/HIGHWAY 583	72082	6	A	49:41	83:38	84	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COCHRANE	3RD STREET/16TH AVENUE	72086	3	I	49:03	81:00	86	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
KAPUSKASING	LANG AVENUE	72088	3	I	49:24	82:25	86	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HEARST	CECIL'S CAMPING, HIGHWAY 11	72090	3	I	49:41	83:37	87	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF INSTRUMENTS:

122 12 8 12 17 12 17 8 17 35 12 12 4 9 74 12

LEGEND:

TDF - Total Dustfall
 Cd - Cadmium
 Co - Cobalt
 Cr - Chromium
 Cu - Copper
 Fe - Iron
 Mn - Manganese
 Na - Sodium
 Ni - Nickel
 Pb - Lead
 V - Vanadium
 NO₃ - Nitrate
 Zn - Zinc
 SO₄ - Sulphate
 FLR - Fluoridation Rate
 OM - Optical Microscopy

OTHERS:
 As - Arsenic
 Be - Beryllium
 F - Soluble Fluorides
 K - Potassium
 Li - Lithium
 Mg - Magnesium
 Mo - Molybdenum
 Sb - Antimony
 Se - Selenium
 Sn - Tin
 Ti - Titanium
 U - Uranium
 Id - Identification

TABLE A-4 THE INHALABLE PARTICULATE (PM-10) NETWORK 1993

ID - STATION ID; YR - YEAR MONITORING BEGAN; LAT - LATITUDE(DEGREES:MINUTES); LONG - LONGITUDE(DEGREES:MINUTES)
ELEV - AIR INTAKE HEIGHT ABOVE GROUND (METERS)

CITY	STATION NAME	ID	YR	LAT	LONG	ELEV (M)	IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	Zn	Ca	Tl	Br	Rb	Sr	Zr	Ba	Se	As	SO ₄ ²⁻
WINDSOR	WRIGHT/WATER STREET	12507	90	42:17	82:16	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
WINDSOR	467 UNIVERSITY AVE WEST	12508	89	42:19	83:02	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
WINDSOR	3665 WYANDOTTE ST. E.	12513	92	42:19	83:00	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
LONDON	801 COMMISSIONERS RD. E.	15516	90	42:57	81:13	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
NANTICOKE	WALPOLE S P.S., SANDUSK RD	22304	92	42:50	80:02	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
ST CATHARINES	KING ST	27308	91	43:10	79:15	12	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
THOROLD	185 QUEEN ST. SOUTH	27352	90	43:07	79:12	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
HAMILTON	ELGINKELLY STREET	29300	90	43:15	79:52	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
HAMILTON	BEACH BLVD	29302	89	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
HAMILTON	GERTRUDE/DEPEW STREET	29313	90	43:15	79:49	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
HAMILTON	BUCHANAN PARK P.S.	29324	92	43:14	79:53	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
TORONTO	BAY ST./GROSVENOR AVE.	31127	89	43:40	79:23	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
SCARBOROUGH	KENNEDY RD./LAWRENCE AVE.	33127	90	43:45	79:16	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
ETOBICOKE	EVANS/ARNOLD AVENUE	35127	90	43:37	79:31	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
OAKVILLE	BRONTE RD/HOBURN CRES.	44127	92	43:24	79:44	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
MISSISSAUGA	MEADOW PK, APPLE LANE C C	46127	93	43:31	79:36	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
CORNWALL	MEMORIAL PK, BEDFORD/THIRD STS.	56051	92	45:01	74:44	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
FORT FRANCES	250 CHURCH STREET	62135	92	48:36	93:23	9	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
THUNDER BAY	615 JAMES ST. SOUTH	63201	89	48:23	89:17	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
SAULT STE MARIE	PUMPHOUSE, BONNEY STREET	71342	89	46:31	84:23	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
SAULT STE MARIE	W. M. MERRIFIELD SCHOOL	71368	90	46:32	84:21	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
SUDBURY	LISGAR ST	77326	91	46:29	80:59	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

Notes: Samplers operate on a 6-day sampling cycle
* denotes a Co-located sampler.

LEGEND:

IP - Inhalable Particulate	Cr - Chromium	Ca - Calcium	Zr - Zirconium
Cu - Copper	Cd - Cadmium	Ti - Titanium	Ba - Barium
Fe - Iron	V - Vandium	Br - Bromine	Se - Selenium
Mn - Manganese	Ni - Nickel	Rb - Rubidium	As - Arsenic
Pb - Lead	Zn - Zinc	Sr - Strontium	SO ₄ ²⁻ - Sulphate

TABLE A-5 THE METEOROLOGICAL NETWORK (1993)

ID - STATION ID NUMBER YR - YEAR MONITORING BEGAN
 T - TELEMETRY L - DATA LOGGER

LAT - LATITUDE (DEGREES:MINUTES)

LONG - LONGITUDE (DEGREES:MINUTES)

CITY	STATION NAME	ID	YR	LAT	LONG	WS1	HT1	WS2	HT2	WS3	HT3	TEM	DT1	DT2
WINDSOR	WRIGHT/WATER ST.	12007	84	42:17	83:06	T	10	T	40	.	.	T	T	.
MERLIN	MOE WATER PUMP STN, MIDDLE RD.	13021	77	42:15	82:13	T	9	.	.	.	.	.	.	.
COURTRIGHT	HWY 40 (OPP LAMTON GS)	14016	75	42:48	82:29	T	10	T	30	T	90	T	T	T
PARKHILL	PUC BUILDING	15013	83	43:10	81:41	T	10	.	.	.	.	.	.	.
LONDON	800 COMMISSIONERS ST. (EFW PLANT)	15018	86	42:57	81:13	L	25	.	.	.	.	.	.	.
BEACHVILLE	26 VINE STREET (MOE TRAILER)	17015	89	43:04	80:51	T	9	.	.	.	.	.	.	.
TIVERTON	BRUCE GS WEATHER STATION	18013	79	44:18	81:35	T	10	T	30	.	.	T	T	T
JARVIS	HYDRO MET TOWER (2KM NE JARVIS)	22883	84	42:54	80:05	T	10	.	.	T	85	T	.	.
LONG POINT	PROVINCIAL PARK	22901	79	42:35	80:23	T	10	.	.	T	85	T	.	.
NANTICOKE	RAINHAM ROAD (NEAR STELCO GATE)	22907	89	42:48	80:04	T	10	.	.	.	.	.	.	.
CAMBRIDGE	CLYDE ROAD	26066	91	43:38	80:29	T	30	.	.	.	.	.	.	.
ELMIRA	PARK/DUKE	26069	93	43:35	80:30	T	10	.	.	.	.	.	.	.
ALLANBURG	TRANSFORMER STATION HIGHWAY 58	27011	81	43:04	79:11	T	10	T	37	.	.	T	T	.
HAMILTON	BRAMPTON/WOODWARD	29026	75	43:15	79:46	T	10	T	30	T	91	T	T	T
TORONTO	ISLAND AIRPORT-ENVIRONMENT CANADA SITE	31025	75	43:38	79:23	T	10	.	.	.	.	.	.	.
TORONTO	BRUCE PS, 51 LARCHMOUNT AVENUE	31045	75	43:39	79:25	T	21	.	.	.	.	.	.	.
TORONTO	PERTH/RUSKIN (JUNCTION TRIANGLE)	31120	82	43:40	79:27	T	18	.	.	.	.	.	.	.
SCARBOROUGH	LAWRENCE/KENNEDY AVE.	33003	75	43:45	79:16	T	12	.	.	T	76	T	T	.
ETOBICOKE	EVANS/ARNOLD AVENUE	35033	75	43:37	79:31	T	10	T	30	T	91	T	T	T
OAKVILLE	BRONTE ROAD/WOBURN CRESCENT	44015	80	43:24	79:44	T	10	.	.	.	.	.	.	.
OSHAWA	PUBLIC SCHOOL, RITSON RD/OLIVE AVE.	45025	79	43:53	78:51	T	10	.	.	.	.	.	.	.
STOUFFVILLE	HIGHWAY 47 EAST OF HIGHWAY 48	48002	82	43:58	79:16	T	10	.	.	.	.	.	.	.
CORNWALL	MEMORIAL PK, BEDFORD/THIRD STS.	56051	92	45:01	89:17	T	10	.	.	.	.	.	.	.
CORNWALL	861 WEST SECOND STREET	56065	76	45:01	74:44	T	10	.	.	.	.	.	.	.
PORT HOPE	FILTRATION PLANT, MARSH STREET	58031	79	43:56	78:18	T	10	.	.	.	.	.	.	.
DRYDEN	35 VAN HORNE AVENUE	61027	84	49:47	92:50	T	18	.	.	.	.	T	.	.
FORT FRANCES	EIGHTH STREET/CORNWALL AVENUE	62047	90	48:37	93:25	T	10	.	.	.	.	.	.	.
MARATHON	WATER TOWER	63033	78	48:43	86:23	T	8	.	.	.	.	.	.	.
RED ROCK	RECREATION CENTRE	63084	82	48:57	88:15	T	15	.	.	.	.	.	.	.
TERACE BAY	ST MARTIN SCHOOL	63090	81	48:47	87:05	T	12	.	.	.	.	T	.	.
THUNDER BAY	MTO 615 JAMES STREET SOUTH	63200	90	48:22	89:17	T	10	.	.	.	.	.	.	.
SCHREIBER	301 ONTARIO STREET, PS	63402	89	48:47	87:27	T	12	.	.	.	.	.	.	.
SAULT STE MARIE	WM. MERRIFIELD SCHOOL	71068	87	46:32	84:21	T	10	.	.	.	.	T	.	.
NORTH BAY	OPP STATION	75010	87	46:19	79:27	T	10	.	.	.	.	T	.	.
SUDBURY	HAMMER	77013	82	46:39	80:57	T	10	.	.	.	.	T	.	.
SUDBURY	CKNC-TV, 699 FROOD ROAD	77025	73	46:30	81:00	T	10	.	.	T	115	T	.	T
SUDBURY	1412 STEPHEN STREET	77225	90	46:28	81:00	T	6	.	.	.	.	T	.	.

LEGEND:

WS1 - WIND SPEED AND DIRECTION BELOW 23 M
 WS2 - WIND SPEED AND DIRECTION 23 M TO 76 M
 WS3 - WIND SPEED AND DIRECTION ABOVE 76 M

HT1 - SENSOR HEIGHT (METERS) LEVEL 1

HT2 - SENSOR HEIGHT (METERS) LEVEL 2

HT3 - SENSOR HEIGHT (METERS) LEVEL 3

TEM - AMBIENT TEMPERATURE

DT1 - TEMPERATURE DIFFERENCE LEVEL 2 MINUS LEVEL 1

DT2 - TEMPERATURE DIFFERENCE LEVEL 3 MINUS LEVEL

TABLE A-6

SULPHUR DIOXIDE (SO₂) STATISTICS (1993)

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	UNIT = PARTS/MILLION							NO. OF TIMES ABOVE CRITERIA				
				PERCENTILES						ARITH. MEAN	MAXIMUM		1 HR	24 HR	1 YR
				10	30	50	70	90	99	1 HR	24 HR				
12007	WRIGHT/WATER ST	WINDSOR	365	0.000	0.000	0.000	0.005	0.010	0.028	0.006	0.12	0.02	0	0	0
12008	467 UNIVERSITY AV W	WINDSOR	363	0.000	0.000	0.000	0.004	0.011	0.033	0.006	0.09	0.03	0	0	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	106	0.000	0.000	0.000	0.002	0.011	0.030	INS	0.18	0.03	0	0	INS
12018	COLLEGE/SOUTH ST	WINDSOR	365	0.000	0.000	0.000	0.004	0.010	0.029	0.006	0.07	0.03	0	0	0
14018	HWY40 (OPP LAMBTON GS)	COURTRIGHT	355	0.000	0.000	0.000	0.000	0.009	0.055	0.005	0.22	0.08	0	0	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	365	0.000	0.000	0.000	0.005	0.020	0.107	0.010	0.19	0.09	0	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	360	0.000	0.000	0.000	0.000	0.007	0.017	0.003	0.06	0.02	0	0	0
15015	951 COMMISSIONERS RD E	LONDON	360	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.04	0.01	0	0	0
15018	801 COMMISSIONERS RD E	LONDON	328	0.000	0.000	0.000	0.000	0.002	0.015	0.001	0.04	0.02	0	0	0
15017	8 MOUNTSFIELD DR	LONDON	328	0.000	0.000	0.000	0.000	0.000	0.009	0.001	0.04	0.01	0	0	0
18007	CONCESSION RD 2 LOT A	TIVERTON	364	0.000	0.000	0.000	0.000	0.003	0.010	0.001	0.04	0.01	0	0	0
22071	EXPERIMENTAL FARM	SIMCOE	363	0.000	0.000	0.000	0.000	0.007	0.019	0.003	0.09	0.02	0	0	0
22086	CHEAPSIDE RD(3 KM S OF HWY 3)	NANTICOKE	309	0.000	0.000	0.000	0.001	0.009	0.028	0.004	0.08	0.02	0	0	0
22094	TOWNLINE RD/CON 13	TOWNSEND	304	0.000	0.000	0.000	0.001	0.008	0.019	0.004	0.08	0.02	0	0	0
22901	PROVINCIAL PARK	LONG POINT	356	0.000	0.000	0.000	0.000	0.006	0.018	0.002	0.15	0.03	0	0	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	339	0.000	0.000	0.000	0.001	0.010	0.034	0.005	0.11	0.03	0	0	0
26060	WEST AVE/HOMEWOOD	KITCHENER	352	0.000	0.000	0.000	0.000	0.007	0.017	0.003	0.06	0.02	0	0	0
26089	PARK/DUKE	ELMIRA	350	0.000	0.000	0.000	0.000	0.005	0.057	0.003	0.17	0.04	0	0	0
27056	ALLEDALE AV	NIAGARA FALLS	298	0.000	0.000	0.000	0.001	0.008	0.019	0.004	0.07	0.02	0	0	0
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	363	0.000	0.000	0.000	0.000	0.007	0.018	0.003	0.05	0.02	0	0	0
28028	EXHIBITION ST/CLARK ST	GUELPH	60	0.000	0.000	0.000	0.000	0.005	0.013	INS	0.03	0.01	0	0	0
29000	ELGIN/KELLY ST	HAMILTON	364	0.000	0.000	0.000	0.003	0.013	0.038	0.006	0.10	0.03	0	0	INS
29025	BARTON/WENTWORTH	HAMILTON	358	0.000	0.000	0.001	0.007	0.020	0.056	0.009	0.11	0.04	0	0	0
29102	467 BEACH BLVD	HAMILTON	359	0.000	0.000	0.004	0.010	0.029	0.067	0.013	0.15	0.05	0	0	0
29105	NASH RD/KENTLEY DR	HAMILTON	365	0.000	0.000	0.000	0.002	0.008	0.019	0.004	0.07	0.02	0	0	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	359	0.000	0.000	0.000	0.005	0.014	0.040	0.007	0.14	0.04	0	0	0
29118	MAIN ST W/HWY403	HAMILTON	356	0.000	0.000	0.000	0.003	0.009	0.026	0.005	0.09	0.02	0	0	0
31103	BAY/GROSVENOR	TORONTO	360	0.000	0.000	0.002	0.006	0.010	0.025	0.007	0.11	0.03	0	0	0
31120	PERTH/RUSKIN/JUNCTION TRIANGLE	TORONTO	365	0.000	0.000	0.001	0.005	0.009	0.021	0.006	0.07	0.03	0	0	0
31190	CN TOWER, 301 FRONT ST W	TORONTO	138	0.000	0.000	0.002	0.006	0.014	0.036	INS	0.14	0.03	0	0	INS
32010	LEASIDE HYDRO STATION	EAST YORK	105	0.000	0.000	0.000	0.003	0.009	0.019	INS	0.17	0.02	0	0	0
33003	LAWRENCE/KENNEDY	SCARBOROUGH	365	0.000	0.000	0.000	0.000	0.006	0.017	0.003	0.06	0.02	0	0	0
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	363	0.000	0.000	0.000	0.002	0.009	0.021	0.004	0.07	0.03	0	0	0
34025	35 EDGAR AVE	NORTH YORK	105	0.000	0.000	0.000	0.005	0.009	0.028	INS	0.06	0.02	0	0	INS
35003	ELMCREST RD (CENTENNIAL PK)	ETOBICOKE	365	0.000	0.000	0.000	0.003	0.009	0.020	0.005	0.12	0.04	0	0	0
35033	EVANS/ARNOLD AV	ETOBICOKE	365	0.000	0.000	0.000	0.000	0.007	0.020	0.003	0.08	0.03	0	0	0
36030	CLEARVIEW HTGS/KEELE ST	YORK	355	0.000	0.000	0.000	0.003	0.009	0.021	0.005	0.08	0.02	0	0	0
44008	HWY2/NORTH SHORE BLVD E	BURLINGTON	365	0.000	0.000	0.000	0.004	0.009	0.020	0.006	0.07	0.03	0	0	0
44015	BRONTE RD/WOBURN CRES	OAKVILLE	365	0.000	0.000	0.000	0.003	0.009	0.027	0.005	0.06	0.03	0	0	0
45025	PS, RITSON RD/OLIVE AV	OSHAWA	365	0.000	0.000	0.000	0.000	0.007	0.019	0.003	0.09	0.02	0	0	0
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	363	0.000	0.000	0.000	0.000	0.007	0.017	0.003	0.11	0.02	0	0	0
46117	MEADOW PK, APPLE LANE CLUB	MISSISSAUGA	361	0.000	0.000	0.000	0.004	0.009	0.024	0.005	0.10	0.02	0	0	0
48002	HWY47E OF HWY48	STOUFFVILLE	365	0.000	0.000	0.000	0.000	0.006	0.016	0.003	0.04	0.02	0	0	0
49010	HWY 117/PAINT LAKE ROAD	DORSET	250	0.000	0.000	0.000	0.002	0.003	0.011	0.002	0.05	0.01	0	0	0
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	365	0.000	0.000	0.000	0.000	0.005	0.014	0.002	0.09	0.02	0	0	0
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	362	0.000	0.000	0.000	0.004	0.015	0.059	0.007	0.39	0.06	2	0	0
63200	MTC 615 JAMES ST S	THUNDER BAY	365	0.000	0.000	0.000	0.000	0.008	0.000	0.03	0.01	0	0	0	0
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	365	0.000	0.000	0.000	0.000	0.000	0.018	0.001	0.10	0.02	0	0	0
77012	SKEAD	SUDBURY	359	0.000	0.000	0.000	0.000	0.009	0.133	0.007	0.54	0.09	13	0	0
77013	HANMER	SUDBURY	362	0.000	0.000	0.000	0.000	0.004	0.064	0.003	0.29	0.05	1	0	0
77016	WATER TANK, ASH ST	SUDBURY	365	0.000	0.000	0.000	0.000	0.008	0.116	0.007	0.64	0.09	29	0	0
77028	GOVERNMENT RD/EDWARD ST	CONISTON	363	0.000	0.000	0.000	0.000	0.006	0.103	0.005	0.40	0.07	6	0	0
77065	FALCONBRIDGE RD	GARSON	365	0.000	0.000	0.000	0.000	0.005	0.079	0.004	0.32	0.08	3	0	0
77075	KENNEDY ST	NEW SUDBURY	363	0.000	0.000	0.000	0.000	0.007	0.096	0.005	0.42	0.07	8	0	0
77096	LONG LAKE RD (VILLA LOYOLA)	SUDBURY	354	0.000	0.000	0.000	0.000	0.003	0.087	0.004	0.75	0.06	11	0	0
77201	MIKKOLA (J. HAMILTON SCHOOL)	SUDBURY	365	0.000	0.000	0.000	0.000	0.003	0.071	0.004	0.53	0.08	10	0	0
77203	SCIENCE NORTH	SUDBURY	341	0.000	0.000	0.000	0.000	0.005	0.087	0.004	0.41	0.07	12	0	0
77206	ST LAURENT/REGIONAL RD	RAYSIDE	341	0.000	0.000	0.000	0.000	0.000	0.026	0.002	0.37	0.08	7	0	0
77218	LOT 2-PLAN M-1025	COPPER CLIFF	365	0.000	0.000	0.000	0.000	0.012	0.233	0.011	0.97	0.27	78	2	0
77225	1412 STEPHEN STREET	SUDBURY	360	0.000	0.000	0.000	0.000	0.007	0.091	0.005	0.50	0.09	16	0	0
77228	MARY-GLOVER ST. PARK	SUDBURY	94	0.000	0.000	0.000	0.000	0.007	0.073	INS	0.39	0.04	1	0	INS

TABLE A-7

SUSPENDED PARTICLES (SP) STATISTICS (1993)

UNIT = COHS/1000 FT

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES					ARITH. MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
				10	30	50	70	90		1 HR	24 HR	24 HR	1 YR
12008	467 UNIVERSITY AV W	WINDSOR	358	0.06	0.17	0.25	0.36	0.59	1.29	0.36	4.2	1.3	2 0
12016	COLLEGE/SOUTH ST	WINDSOR	356	0.05	0.14	0.23	0.35	0.62	1.62	0.36	4.3	1.5	4 0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	365	0.00	0.05	0.11	0.19	0.35	0.72	0.20	1.8	0.6	0 0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	357	0.01	0.08	0.15	0.25	0.45	1.08	0.25	2.9	1.1	1 0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	221	0.02	0.09	0.17	0.27	0.47	0.89	INS	2.0	0.8	0 INS
26060	WEST AVE/HOMEWOOD	KITCHENER	350	0.01	0.07	0.15	0.25	0.45	0.96	0.25	3.8	0.8	0 0
26069	PARK/DUKE	ELMIRA	353	0.00	0.05	0.12	0.22	0.41	0.86	0.22	2.1	0.8	0 0
27056	ALLENDALE AV	NIAGARA FALLS	296	0.03	0.09	0.17	0.27	0.49	0.84	0.27	1.6	0.8	0 0
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	354	0.02	0.10	0.17	0.27	0.48	1.09	0.27	2.6	1.1	1 0
28028	EXHIBITION ST/CLARK ST	GUELPH	46	0.00	0.02	0.08	0.16	0.30	0.65	INS	1.0	0.4	0 INS
29000	ELGIN/KELLY ST	HAMILTON	357	0.07	0.19	0.30	0.48	0.94	1.89	0.48	4.9	1.7	19 0
29001	HUGHSON/HUNTER	HAMILTON	340	0.10	0.24	0.38	0.59	1.08	2.19	0.56	4.4	2.2	34 1
29025	BARTON/WENTWORTH	HAMILTON	354	0.11	0.26	0.43	0.65	1.10	2.12	0.59	4.4	2.0	34 1
29102	467 BEACH BLVD	HAMILTON	363	0.04	0.20	0.40	0.67	1.10	2.06	0.56	4.8	1.8	27 1
29105	NASH RD/KENTLEY DR	HAMILTON	354	0.16	0.27	0.36	0.49	0.81	1.84	0.50	3.5	2.0	12 0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	332	0.02	0.10	0.18	0.29	0.60	1.43	0.31	3.2	1.6	6 0
29118	MAIN ST W/HWY403	HAMILTON	347	0.03	0.13	0.24	0.42	0.93	1.85	0.42	2.9	1.7	14 0
31049	MISSION, 381 YONGE ST	TORONTO	340	0.11	0.25	0.38	0.56	0.92	1.67	0.51	4.4	1.5	12 1
31103	BAY/GROSVENOR	TORONTO	356	0.09	0.19	0.29	0.44	0.76	1.38	0.42	2.8	1.3	5 0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	364	0.03	0.11	0.19	0.31	0.56	1.25	0.31	3.1	1.1	1 0
31190	CN TOWER, 301 FRONT ST W	TORONTO	135	0.00	0.02	0.06	0.10	0.21	0.50	INS	1.0	0.5	0 INS
32010	LEASIDE HYDRO STATION	EAST YORK	103	0.03	0.15	0.24	0.36	0.64	1.41	INS	2.4	1.2	2 INS
33003	LAWRENCE/KENNEDY	SCARBOROUGH	359	0.02	0.11	0.19	0.30	0.55	1.17	0.30	3.3	0.9	0 0
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	354	0.02	0.11	0.22	0.38	0.68	1.35	0.35	2.8	1.5	4 0
34025	35 EDGAR AVE	NORTH YORK	105	0.06	0.18	0.33	0.54	0.96	1.71	INS	3.5	1.1	1 INS
35003	ELMCREST RD (CENTENNIAL PK)	ETOBICOKE	359	0.03	0.12	0.23	0.38	0.74	1.76	0.38	4.0	1.6	10 0
35033	EVANS/ARNOLD AV	ETOBICOKE	364	0.09	0.22	0.36	0.55	0.95	1.85	0.51	3.7	1.4	13 1
36030	CLEARVIEW HTGS/KEELE ST	YORK	358	0.04	0.15	0.25	0.40	0.78	1.93	0.41	4.9	1.7	12 0
44008	HWY2/NORTH SHORE BLVD E	BURLINGTON	344	0.02	0.11	0.20	0.34	0.65	1.54	0.34	3.0	1.3	4 0
44015	BRONTE RD/WOBURN CRES	OAKVILLE	362	0.00	0.10	0.19	0.33	0.63	1.32	0.32	2.3	1.3	1 0
45025	PS, RITSON RD/OLIVE AV	OSHAWA	357	0.01	0.11	0.22	0.37	0.72	1.55	0.36	3.9	1.3	5 0
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	353	0.03	0.14	0.25	0.39	0.76	1.67	0.39	3.4	1.4	5 0
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	365	0.00	0.06	0.12	0.23	0.47	0.91	0.24	1.8	0.8	0 0
52020	CHURCHILL PK, NAPIER ST	KINGSTON	316	0.02	0.11	0.20	0.32	0.61	1.40	0.32	2.9	1.1	2 0
56051	MEMORIAL PK BEDFORD/THIRD	CORNWAL	361	0.00	0.05	0.10	0.19	0.40	1.07	0.22	3.0	1.0	0 0
62030	PORTAGE/CHURCH ST	FORT FRANCIS	355	0.00	0.05	0.10	0.20	0.42	0.97	0.21	2.7	0.7	0 0
63200	MTC 615 JAMES ST S	THUNDER BAY	361	0.00	0.05	0.10	0.20	0.49	1.12	0.23	2.7	0.8	0 0
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	342	0.00	0.05	0.13	0.25	0.54	1.30	0.26	2.8	1.2	1 0
75010	OPP STN	NORTH BAY	338	0.00	0.03	0.07	0.15	0.38	0.96	0.18	1.8	0.6	0 0
77203	SCIENCE NORTH	SUDBURY	340	0.00	0.05	0.10	0.19	0.40	0.91	0.21	3.6	0.7	0 0

TABLE A-8

TOTAL REDUCED SULPHUR (TRS) STATISTICS (1993)
UNIT = PARTS/BILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES					ARITH. MEAN	MAXIMUM	EXCEEDANCES OF		
				10	30	50	70	90	99		1 HR	24 HR	PULP MILL AQC
12007	WRIGHT/WATER ST	WINDSOR	345	0.0	0.0	0.0	0.3	1.3	5.1	0.6	101	7	1
12016	COLLEGE/SOUTH ST	WINDSOR	360	0.0	0.0	0.0	0.1	0.9	3.4	0.5	14	3	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	358	0.0	0.0	0.0	0.0	0.3	1.9	0.2	9	2	0
18007	CONCESSION RD 2 LOT A	TIVERTON	355	0.0	0.0	0.0	0.0	0.2	1.0	0.1	24	1	0
22904	WALPOLE S PS, SANDUSK RD	NANTICOKE	353	0.0	0.0	0.0	0.2	0.8	2.7	0.4	10	3	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	307	0.0	0.0	0.0	0.6	2.3	10.2	1.1	76	8	3
26069	PARK/DUKE	ELMIRA	319	0.0	0.0	0.0	0.5	1.8	3.9	0.7	13	4	0
27051	HOLY T CHURCH, NORTON/PORTAGE	CHIPPAWA	361	0.0	0.0	0.0	0.6	1.7	5.2	0.8	31	8	1
27055	STP GROUNDS, STANLEY AV	NIAGARA FALLS	323	0.0	0.0	0.0	0.4	2.9	20.3	1.4	47	19	44
29000	ELGIN/KELLY ST	HAMILTON	364	0.0	0.0	0.0	0.3	1.5	6.1	0.7	13	5	0
29025	BARTON/WENTWORTH	HAMILTON	353	0.0	0.0	0.5	1.1	3.0	7.9	1.4	26	8	0
29102	467 BEACH BLVD	HAMILTON	343	0.0	0.0	0.4	1.0	3.0	10.8	1.5	31	9	4
29105	NASH RD/KENTLEY DR	HAMILTON	316	0.0	0.0	0.0	0.4	0.9	2.8	0.6	10	3	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	359	0.0	0.0	0.1	0.5	1.1	5.6	0.8	36	9	2
29118	MAIN ST W/HWY403	HAMILTON	347	0.0	0.0	0.0	0.4	1.4	4.9	0.7	16	5	0
29547	PIER 25	HAMILTON	287	0.0	0.3	0.8	1.6	3.9	14.6	2.1	44	13	14
44015	BRONTE RD/WOBURN CRES	OAKVILLE	365	0.0	0.0	0.4	1.1	1.8	3.6	1.0	14	5	0
46117	MEADOW PK, APPLE LANE CLUB	MISSISSAUGA	357	0.0	0.0	0.2	0.7	1.7	3.6	0.8	12	4	0
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	350	0.0	0.2	1.0	1.8	3.4	8.3	1.8	60	9	9
56068	SCHOOL, 435 SECOND ST W	CORNWALL	352	0.0	0.4	1.3	2.4	5.4	14.6	2.7	173	15	30
61027	35 VAN HORNE AV	DRYDEN	357	0.0	0.0	0.0	0.0	0.4	5.7	0.3	21	4	0
62030	PORTAGE/CHURCH ST	FORT FRANCES	365	0.0	0.0	0.0	1.5	13.5	46.9	4.2	219	48	329
62032	CEMETERY, COLONIZATION RD W	FORT FRANCES	363	0.0	0.0	0.0	0.0	2.0	14.6	0.9	98	23	24
62047	EIGHTH ST/CORNWALL AVE	FORT FRANCES	347	0.0	0.0	0.0	0.3	4.4	26.1	1.8	112	19	73
62051	110 VICTORIA AVE (HOSP)	FORT FRANCES	365	0.0	0.0	0.0	0.0	2.8	17.9	1.2	81	16	36
63033	WATER TOWER	MARATHON	365	0.0	0.0	0.0	0.0	1.5	10.8	0.7	53	7	5
63046	CAN-CAR, MONTREAL ST	THUNDER BAY	349	0.0	0.0	0.0	0.1	2.6	12.1	1.0	51	15	11
63084	RECREATION CENTRE	RED ROCK	348	0.0	0.0	0.0	0.0	4.6	29.3	1.9	94	33	99
63090	ST MARTIN SCHOOL	TERRACE BAY	342	0.0	0.0	0.0	0.0	4.3	23.7	1.7	80	14	60
63093	MILL RD/SOUTH CAMP RD	TERRACE BAY	345	0.0	0.0	0.0	0.9	11.6	93.9	5.7	327	71	503
63200	MTC 615 JAMES ST S	THUNDER BAY	365	0.0	0.0	0.0	0.0	0.3	3.0	0.2	13	3	0
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	341	0.0	0.0	0.0	0.0	0.8	3.7	0.4	27	4	0
72084	ROSS RD	SMOOTH ROCK FALLS	354	0.0	0.0	0.0	0.0	0.8	3.9	0.4	22	5	0
77203	SCIENCE NORTH	SUDBURY	329	0.0	0.0	0.0	0.0	0.5	1.0	0.2	7	1	0

TABLE A-9

TOTAL CARBON MONOXIDE (CO) STATISTICS (1993)

UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES						ARITH. MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
				10	30	50	70	90	99		1 HR	8 HR	1 HR	8 HR
12008	467 UNIVERSITY AV W	WINDSOR	360	0.0	0.1	0.4	0.7	1.0	2.5	0.8	7	6	0	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	361	0.0	0.0	0.0	0.0	0.5	1.0	0.2	4	3	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	362	0.0	0.0	0.1	0.5	0.9	2.0	0.6	6	4	0	0
26080	WEST AVE/HOMewood	KITCHENER	349	0.0	0.0	0.0	0.2	0.8	1.8	0.4	7	6	0	0
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	330	0.0	0.0	0.0	0.0	0.7	2.5	0.3	6	4	0	0
29000	ELGIN/KELLY ST	HAMILTON	365	0.1	0.3	0.5	0.8	1.3	2.7	1.1	9	4	0	0
29118	MAIN ST W/HWY403	HAMILTON	348	0.0	0.0	0.3	0.6	1.0	2.5	0.8	5	4	0	0
31049	MISSION, 381 YONGE ST	TORONTO	354	0.2	0.7	1.2	1.8	2.9	6.6	2.0	15	10	0	0
31103	BAY/GROSVENOR	TORONTO	350	0.0	0.3	0.6	0.8	1.4	2.6	1.1	9	6	0	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	353	0.0	0.1	0.4	0.7	1.0	3.2	0.9	9	8	0	0
31190	CN TOWER, 301 FRONT ST W	TORONTO	138	0.0	0.1	0.4	0.7	1.0	1.9	INS	3	2	0	0
32010	LEASIDE HYDRO STATION	EAST YORK	105	0.0	0.0	0.3	0.6	1.0	2.5	INS	6	4	0	0
33003	LAWRENCE/KENNEDY	SCARBOROUGH	365	0.0	0.0	0.3	0.6	1.0	2.8	0.8	8	4	0	0
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	363	0.1	0.3	0.6	0.8	1.4	2.5	1.1	13	4	0	0
34025	35 EDGAR AVE	NORTH YORK	100	0.1	0.3	0.6	0.9	1.6	2.7	INS	7	3	0	0
35003	ELMCREST RD (CENTENNIAL PK)	ETOBICOKE	334	0.0	0.0	0.2	0.6	0.9	1.9	0.7	4	3	0	0
35033	EVANS/ARNOLD AV	ETOBICOKE	365	0.0	0.1	0.4	0.7	1.0	2.5	0.9	6	5	0	0
36030	CLEARVIEW HTGS/KEELE ST	YORK	352	0.0	0.0	0.3	0.6	1.0	3.2	0.8	9	5	0	0
44008	HWY2/NORTH SHORE BLVD E	BURLINGTON	362	0.0	0.0	0.1	0.5	0.9	1.7	0.6	4	3	0	0
44015	BRONTE RD/WOBURN CRES	OAKVILLE	364	0.0	0.0	0.2	0.6	0.9	1.8	0.7	6	5	0	0
45025	PS. RITSON RD/OLIVE AV	OSHAWA	365	0.0	0.2	0.4	0.7	1.0	2.7	0.9	13	5	0	0
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	337	0.0	0.1	0.4	0.7	1.2	3.8	0.9	13	8	0	0
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	362	0.0	0.0	0.4	0.8	1.5	2.7	0.9	6	4	0	0
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	363	0.0	0.0	0.3	0.6	0.9	2.0	0.8	9	6	0	0
63046	CAN-CAR, MONTREAL ST	THUNDER BAY	365	0.0	0.0	0.0	0.0	0.7	1.8	0.3	6	3	0	0
63200	MTC 615 JAMES ST S	THUNDER BAY	328	0.0	0.0	0.0	0.0	0.6	1.7	0.3	5	4	0	0
77203	SCIENCE NORTH	SUDBURY	281	0.0	0.0	0.0	0.0	0.0	0.9	0.1	4	2	0	0

TABLE A-10

TOTAL HYDROCARBON (THC) STATISTICS (1993)

UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES						ARITH. MEAN	MAXIMUM	
				10	30	50	70	90	99		1 HR	24 HR
29000	ELGIN/KELLY ST	HAMILTON	248	1.51	1.57	1.65	1.73	1.90	2.42	1.74	6.8	2.4
31103	BAY/GROSVENOR	TORONTO	345	1.15	1.45	1.70	1.97	2.38	3.03	1.78	4.0	3.5
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	307	1.57	1.72	1.84	2.00	2.47	3.69	1.99	14.8	3.4
35033	EVANS/ARNOLD AV	ETOBICOKE	357	1.75	1.88	1.99	2.13	2.44	3.36	2.10	4.6	3.1
44015	BRONTE RD/WOBURN CRES	OAKVILLE	356	1.12	1.57	1.78	2.00	2.43	3.84	1.86	8.7	5.1
46117	MEADOW PK, APPLE LANE CLUB	MISSISSAUGA	339	0.95	1.18	1.48	1.72	2.19	4.26	1.63	12.3	4.9

TABLE A-11

REACTIVE HYDROCARBON (RHC) STATISTICS (1993)

UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES						ARITH. MEAN	MAXIMUM	
				10	30	50	70	90	99		1 HR	24 HR
29000	ELGIN/KELLY ST	HAMILTON	248	0.00	0.01	0.04	0.07	0.10	0.22	0.09	4.9	0.3

TABLE A-12 **NITROGEN DIOXIDE (NO₂) STATISTICS (1993)**
 UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES						ARITH. MEAN	MAXIMUM	NO. OF TIMES ABOVE CRITERIA		
				10	30	50	70	90	99			1 HR	24 HR	
12008	467 UNIVERSITY AV W	WINDSOR	361	0.002	0.012	0.019	0.028	0.042	0.070	0.026	0.260	0.130	6	1
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	365	0.000	0.004	0.008	0.015	0.026	0.046	0.016	0.090	0.060	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	359	0.001	0.007	0.013	0.019	0.030	0.054	0.020	0.100	0.060	0	0
15013	PUC BLDG	PARKHILL	344	0.000	0.000	0.003	0.007	0.016	0.030	0.009	0.070	0.040	0	0
22071	EXPERIMENTAL FARM	SIMCOE	306	0.000	0.000	0.003	0.007	0.014	0.027	0.008	0.080	0.040	0	0
22086	CHEAPSIDE RD(3 KM S OF HWY 3)	NANTICOKE	237	0.000	0.003	0.006	0.009	0.017	0.029	INS	0.060	0.030	0	0
22901	PROVINCIAL PARK	LONG POINT	212	0.000	0.000	0.000	0.004	0.009	0.021	INS	0.120	0.030	0	0
26060	WEST AVE/HOMEWOOD	KITCHENER	350	0.000	0.003	0.007	0.013	0.023	0.045	0.014	0.100	0.040	0	0
26069	PARK/DUKE	ELMIRA	312	0.000	0.000	0.003	0.008	0.017	0.035	0.009	0.080	0.030	0	0
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	342	0.001	0.005	0.010	0.016	0.028	0.050	0.017	0.080	0.050	0	0
29000	ELGIN/KELLY ST	HAMILTON	304	0.002	0.009	0.015	0.023	0.036	0.060	0.022	0.100	0.060	0	0
29102	467 BEACH BLVD	HAMILTON	358	0.002	0.009	0.017	0.025	0.035	0.049	0.023	0.090	0.070	0	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	350	0.001	0.005	0.009	0.017	0.030	0.058	0.018	0.100	0.060	0	0
29118	MAIN ST W/HWY403	HAMILTON	292	0.000	0.005	0.010	0.018	0.032	0.060	0.019	0.110	0.060	0	0
31049	MISSION, 381 YONGE ST	TORONTO	349	0.007	0.017	0.024	0.032	0.045	0.072	0.030	0.120	0.070	0	0
31103	BAY/GROSVENOR	TORONTO	361	0.008	0.016	0.023	0.029	0.040	0.064	0.029	0.100	0.070	0	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	365	0.007	0.015	0.022	0.029	0.040	0.064	0.028	0.120	0.070	0	0
31190	CN TOWER, 301 FRONT ST W	TORONTO	349	0.000	0.000	0.002	0.007	0.015	0.034	0.008	0.100	0.040	0	0
32010	LEASIDE HYDRO STATION	EAST YORK	105	0.005	0.015	0.023	0.032	0.050	0.100	INS	0.200	0.090	0	0
33003	LAWRENCE/KENNEDY	SCARBOROUGH	365	0.000	0.006	0.012	0.019	0.031	0.057	0.019	0.100	0.060	0	0
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	361	0.000	0.007	0.014	0.023	0.036	0.060	0.021	0.100	0.070	0	0
34025	35 EDGAR AVE	NORTH YORK	101	0.004	0.012	0.019	0.029	0.044	0.069	INS	0.100	0.060	0	0
35003	ELMCREST RD (CENTENNIAL PK)	ETOBICOKE	365	0.004	0.012	0.019	0.027	0.040	0.065	0.026	0.120	0.070	0	0
35033	EVANS/ARNOLD AV	ETOBICOKE	365	0.009	0.016	0.022	0.028	0.039	0.066	0.029	0.110	0.070	0	0
36030	CLEARVIEW HTGS/KEELE ST	YORK	343	0.004	0.012	0.019	0.028	0.043	0.075	0.027	0.150	0.070	0	0
44008	HWY2/NORTH SHORE BLVD E	BURLINGTON	361	0.002	0.007	0.013	0.020	0.030	0.048	0.020	0.090	0.050	0	0
44015	BRONTE RD/WOBURN CRES	OAKVILLE	365	0.002	0.006	0.011	0.017	0.029	0.050	0.019	0.090	0.060	0	0
45025	PS, RITSON RD/OLIVE AV	OSHAWA	365	0.000	0.005	0.011	0.019	0.032	0.056	0.019	0.100	0.050	0	0
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	357	0.002	0.007	0.013	0.019	0.030	0.054	0.020	0.100	0.050	0	0
48002	HWY47/E OF HWY48	STOUFFVILLE	360	0.002	0.005	0.008	0.013	0.023	0.040	0.016	0.080	0.040	0	0
49010	HWY 117/PAINT LAKE ROAD	DORSET	241	0.000	0.000	0.001	0.001	0.003	0.011	INS	0.040	0.018	0	0
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	365	0.002	0.006	0.011	0.018	0.030	0.054	0.019	0.120	0.070	0	0
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	363	0.000	0.000	0.001	0.007	0.017	0.041	0.008	0.090	0.040	0	0
63200	MTC 615 JAMES ST S	THUNDER BAY	365	0.000	0.001	0.005	0.009	0.019	0.035	0.011	0.110	0.040	0	0
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	337	0.000	0.000	0.004	0.010	0.020	0.038	0.011	0.090	0.040	0	0
77203	SCIENCE NORTH	SUDBURY	335	0.000	0.000	0.004	0.008	0.016	0.034	0.010	0.070	0.030	0	0

TABLE A-13 **NITRIC OXIDE (NO) STATISTICS (1993)**
UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES					ARITH. MEAN	MAXIMUM	
				10	30	50	70	90		1 HR	24 HR
12008	467 UNIVERSITY AV W	WINDSOR	361	0.000	0.000	0.005	0.011	0.032	0.130	0.017	0.550 0.220
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	365	0.000	0.000	0.000	0.003	0.014	0.056	0.007	0.250 0.050
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	359	0.000	0.000	0.001	0.008	0.028	0.148	0.013	0.470 0.130
15013	PUC BLDG	PARKHILL	344	0.000	0.000	0.000	0.000	0.000	0.010	0.001	0.110 0.020
22071	EXPERIMENTAL FARM	SIMCOE	306	0.000	0.000	0.000	0.000	0.000	0.012	0.001	0.090 0.010
22086	CHEAPSIDE RD(3 KM S OF HWY 3)	NANTICOKE	237	0.000	0.000	0.000	0.000	0.006	0.010	0.003	0.080 0.010
22901	PROVINCIAL PARK	LONG POINT	212	0.000	0.000	0.000	0.000	0.009	0.029	INS	0.120 0.030
26060	WEST AVE/HOMEWOOD	KITCHENER	350	0.000	0.000	0.000	0.000	0.010	0.073	0.006	0.410 0.090
26069	PARK/DUKE	ELMIRA	312	0.000	0.000	0.000	0.000	0.007	0.025	0.003	0.120 0.030
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	342	0.000	0.000	0.000	0.006	0.021	0.134	0.012	0.540 0.120
29000	ELGIN/KELLY ST	HAMILTON	358	0.000	0.000	0.003	0.010	0.037	0.161	0.017	0.440 0.160
29102	467 BEACH BLVD	HAMILTON	355	0.000	0.000	0.004	0.016	0.042	0.115	0.018	0.360 0.090
29114	VICKERS RD/EAST 18TH ST	HAMILTON	350	0.000	0.000	0.000	0.004	0.019	0.101	0.009	0.280 0.090
29118	MAIN ST W/HWY403	HAMILTON	292	0.002	0.002	0.007	0.017	0.068	0.232	0.028	0.500 0.220
31049	MISSION, 381 YONGE ST	TORONTO	349	0.024	0.024	0.040	0.062	0.109	0.246	0.058	0.540 0.210
31103	BAY/GROSVENOR	TORONTO	361	0.007	0.007	0.014	0.024	0.050	0.134	0.027	0.390 0.130
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	365	0.000	0.000	0.000	0.008	0.042	0.188	0.017	0.660 0.170
31190	CN TOWER, 301 FRONT ST W	TORONTO	349	0.000	0.000	0.000	0.000	0.000	0.020	0.001	0.210 0.010
32010	LEASIDE HYDRO STATION	EAST YORK	105	0.002	0.002	0.008	0.018	0.049	0.157	INS	0.440 0.110
33003	LAWRENCE/KENNEDY	SCARBORO	365	0.000	0.000	0.007	0.020	0.054	0.199	0.024	0.520 0.140
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	361	0.000	0.000	0.002	0.010	0.039	0.122	0.016	0.380 0.110
34025	35 EDGAR AVE	NORTH YORK	101	0.005	0.005	0.012	0.029	0.077	0.192	INS	0.350 0.130
35003	ELMCREST RD (CENTENNIAL PK)	ETOBIKOKE	365	0.000	0.000	0.004	0.014	0.056	0.209	0.022	0.610 0.190
35033	EVANS/ARNOLD AV	ETOBIKOKE	365	0.006	0.006	0.016	0.032	0.077	0.244	0.036	0.540 0.210
36030	CLEARVIEW HTGS/KEELE ST	YORK	344	0.002	0.002	0.007	0.015	0.060	0.252	0.026	0.620 0.180
44008	HWY 2/NORTH SHORE BLVD E	BURLINGTON	361	0.000	0.000	0.000	0.007	0.036	0.166	0.015	0.460 0.110
44015	BRONTE RD/WOBURN CRES	OAKVILLE	365	0.000	0.000	0.003	0.009	0.036	0.145	0.016	0.320 0.120
45025	PS, RITSON RD/OLIVE AV	OSHAWA	365	0.000	0.000	0.004	0.011	0.037	0.142	0.017	0.590 0.130
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	357	0.001	0.001	0.007	0.016	0.052	0.219	0.024	0.720 0.240
48002	HWY 47/E OF HWY 48	STOUFFVILLE	360	0.000	0.000	0.000	0.005	0.012	0.051	0.007	0.170 0.050
49010	HWY 117/PAINT LAKE ROAD	DORSET	241	0.001	0.001	0.002	0.002	0.002	0.003	INS	0.070 0.030
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	365	0.000	0.000	0.003	0.008	0.024	0.090	0.012	0.420 0.080
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	363	0.000	0.000	0.000	0.000	0.009	0.107	0.006	0.490 0.120
63200	MTC 615 JAMES ST S	THUNDER BAY	365	0.000	0.000	0.001	0.008	0.029	0.119	0.013	0.490 0.110
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	337	0.000	0.000	0.000	0.000	0.012	0.081	0.006	0.310 0.080
77203	SCIENCE NORTH	SUDBURY	335	0.000	0.000	0.000	0.000	0.008	0.040	0.004	0.220 0.050

TABLE A-14 **TOTAL NITROGEN OXIDES (NO_x) STATISTICS (1993)**
 UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	CITY	NO. OF DAYS	PERCENTILES					ARITH. MEAN	MAXIMUM		
				10	30	50	70	90		1 HR	24 HR	
12008	467 UNIVERSITY AV W	WINDSOR	361	0.006	0.018	0.028	0.042	0.074	0.182	0.042	0.810	0.350
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	365	0.001	0.006	0.012	0.021	0.042	0.096	0.023	0.290	0.100
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	359	0.004	0.012	0.020	0.033	0.063	0.190	0.035	0.560	0.180
15013	PUC BLDG	PARKHILL	344	0.000	0.000	0.004	0.008	0.017	0.037	0.010	0.140	0.060
22071	EXPERIMENTAL FARM	SIMCOE	306	0.000	0.000	0.004	0.008	0.017	0.037	0.010	0.130	0.050
22086	CHEAPSIDE RD(3 KM S OF HWY 3)	NANTICOKE	232	0.000	0.004	0.008	0.013	0.020	0.038	0.014	0.130	0.040
22901	PROVINCIAL PARK	LONG POINT	212	0.000	0.002	0.005	0.008	0.017	0.039	INS	0.170	0.050
26060	WEST AVE/HOMWOOD	KITCHENER	350	0.001	0.005	0.009	0.017	0.037	0.108	0.021	0.460	0.110
26069	PARK/DUKE	ELMIRA	312	0.001	0.004	0.007	0.012	0.025	0.056	0.016	0.480	0.050
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	342	0.003	0.009	0.016	0.026	0.053	0.170	0.030	0.530	0.150
29000	ELGIN/KELLY ST	HAMILTON	358	0.004	0.014	0.023	0.038	0.075	0.207	0.039	0.490	0.200
29102	467 BEACH BLVD	HAMILTON	356	0.000	0.010	0.028	0.047	0.076	0.157	0.039	0.460	0.130
29114	VICKERS RD/EAST 18TH ST	HAMILTON	359	0.001	0.007	0.013	0.024	0.053	0.148	0.027	0.320	0.140
29118	MAIN ST W/HWY403	HAMILTON	318	0.003	0.012	0.022	0.041	0.106	0.295	0.048	0.910	0.260
31049	MISSION, 381 YONGE ST	TORONTO	349	0.024	0.047	0.069	0.097	0.153	0.307	0.087	0.760	0.280
31103	BAY/GROSVENOR	TORONTO	361	0.018	0.030	0.042	0.058	0.090	0.185	0.055	0.480	0.200
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	365	0.007	0.017	0.027	0.041	0.084	0.240	0.045	0.760	0.210
31190	CN TOWER, 301 FRONT ST W	TORONTO	349	0.000	0.000	0.002	0.007	0.018	0.056	0.010	0.230	0.060
32010	LEASIDE HYDRO STATION	EAST YORK	105	0.011	0.021	0.034	0.053	0.100	0.243	INS	0.550	0.180
33003	LAWRENCE/KENNEDY	SCARBOROUGH	365	0.003	0.015	0.029	0.046	0.090	0.250	0.046	0.620	0.190
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	361	0.002	0.009	0.020	0.038	0.076	0.169	0.037	0.450	0.160
34025	35 EDGAR AVE	NORTH YORK	101	0.010	0.023	0.040	0.064	0.117	0.223	INS	0.390	0.140
35003	ELMCREST RD (CENTENNIAL PK)	ETOBIKOKE	365	0.006	0.017	0.028	0.047	0.098	0.259	0.049	0.690	0.230
35033	EVANS/ARNOLD AV	ETOBIKOKE	365	0.015	0.030	0.045	0.065	0.118	0.294	0.065	0.620	0.250
36030	CLEARVIEW HTGS/KEELE ST	YORK	344	0.011	0.020	0.031	0.047	0.102	0.316	0.054	0.700	0.250
44008	HWY2/NORTH SHORE BLVD E	BURLINGTON	357	0.001	0.009	0.018	0.032	0.070	0.211	0.035	0.510	0.150
44015	BRONTE RD/WOBURN CRES	OAKVILLE	365	0.004	0.012	0.019	0.031	0.068	0.173	0.035	0.330	0.140
45025	PS, RITSON RD/OLIVE AV	OSHAWA	365	0.003	0.010	0.020	0.035	0.071	0.179	0.036	0.660	0.160
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	357	0.008	0.017	0.026	0.040	0.086	0.265	0.046	0.790	0.290
48002	HWY47/E OF HWY48	STOUFFVILLE	360	0.002	0.008	0.013	0.019	0.034	0.085	0.022	0.230	0.090
49010	HWY 117/PAINT LAKE ROAD	DORSET	241	0.001	0.002	0.002	0.003	0.005	0.013	INS	0.430	0.020
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	365	0.002	0.008	0.015	0.026	0.055	0.143	0.029	0.490	0.110
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	362	0.000	0.000	0.005	0.010	0.033	0.140	0.017	0.540	0.150
63200	MTC 615 JAMES ST S	THUNDER BAY	357	0.000	0.005	0.010	0.020	0.051	0.147	0.025	0.540	0.140
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	337	0.000	0.000	0.007	0.015	0.036	0.118	0.018	0.370	0.130
77203	SCIENCE NORTH	SUDBURY	335	0.000	0.003	0.007	0.012	0.026	0.077	0.016	0.280	0.090

TABLE A-15

OZONE (O3) STATISTICS (1993)

UNIT = PARTS/BILLION

STATION LOCATION NUMBER	CITY	NO. OF DAYS	PERCENTILES						ARITH. MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA 1 HR	
			10	30	50	70	90	99		1 HR	24 HR		
12008	467 UNIVERSITY AV W	WINDSOR	363	0.8	5.0	13.1	22.1	37.8	64.8	17.1	105	59	31
12016	COLLEGE/SOUTH ST	WINDSOR	360	1.1	6.0	13.6	22.5	39.6	69.1	17.9	105	59	35
13021	MOE WATER PUMP STN, MIDDLE RD	MERLIN	365	5.2	14.1	21.5	29.0	43.1	66.5	23.7	105	56	18
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	365	2.5	11.9	20.9	29.8	42.0	63.8	22.6	130	61	22
14118	CONCESSION RD 26	MANDAUMIN	359	6.8	15.3	22.8	30.2	42.2	66.0	24.5	101	56	18
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	359	3.6	12.0	20.1	28.7	43.8	67.8	22.8	109	60	17
15009	LONGWOODS CONSERVATION	LONGWOODS	364	6.2	16.7	25.2	32.8	46.1	68.4	26.4	102	56	24
15013	PUC BLDG	PARKHILL	361	7.8	18.0	25.8	33.1	47.8	72.5	27.4	99	62	41
15020	WATER TREATMENT PLANT	GRAND BEND	365	10.6	22.0	30.5	37.5	50.2	74.9	31.3	139	63	51
18007	CONCESSION RD 2 LOT A	TIVERTON	365	14.1	25.1	31.2	37.2	48.2	75.1	32.2	129	67	58
22071	EXPERIMENTAL FARM	SIMCOE	365	8.9	18.0	25.3	32.9	49.0	73.6	27.8	97	68	42
22901	PROVINCIAL PARK	LONG POINT	359	11.3	20.9	28.1	35.9	55.2	82.5	31.2	131	79	110
26060	WEST AVE/HOMEWOOD	KITCHENER	331	0.8	12.1	21.7	31.5	43.8	66.9	23.2	93	57	14
27056	ALLEDALE AV	NIAGARA FALLS	295	7.3	17.0	24.6	32.4	48.5	70.6	26.9	101	64	18
27067	ARGYLE CRES (PUMP STN)	ST CATHARINES	362	1.4	12.3	21.6	30.6	47.3	71.2	23.9	95	67	32
28028	EXHIBITION ST/CLARK ST	GUELPH	291	0.9	13.0	21.7	30.8	45.9	67.2	23.6	84	58	3
29000	ELGIN/KELLY ST	HAMILTON	345	0.0	5.3	12.9	21.5	36.0	60.7	16.4	82	53	1
29105	NASH RD/KENTLEY DR	HAMILTON	344	0.0	8.2	16.1	24.3	39.3	61.1	18.8	87	50	5
29114	VICKERS RD/EAST 18TH ST	HAMILTON	356	0.6	9.9	18.3	27.2	43.1	66.3	21.0	95	60	8
29118	MAIN ST W/HWY403	HAMILTON	347	0.0	4.9	13.5	22.9	36.9	60.4	16.8	78	51	0
31103	BAY/GROSVENOR	TORONTO	343	0.6	6.1	12.0	18.7	29.8	53.4	14.6	74	41	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	363	2.8	8.1	16.2	25.4	38.0	64.6	19.3	90	50	9
31190	CN TOWER, 301 FRONT ST W	TORONTO	365	13.6	25.5	32.9	41.6	60.0	90.8	35.8	153	77	208
32010	LEASIDE HYDRO STATION	EAST YORK	105	0.4	7.5	15.2	22.2	30.2	41.8	INS	65	37	0
33003	LAWRENCE/KENNEDY	SCARBOROUGH	365	0.1	7.0	14.8	22.3	34.8	57.3	17.0	88	47	3
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	363	0.1	6.7	16.1	24.9	36.3	61.9	18.1	94	46	19
34025	35 EDGAR AVE	NORTH YORK	103	0.0	5.6	13.5	20.9	29.5	39.6	INS	57	33	0
35003	ELMCREST RD (CENTENNIAL PK)	ETOBIKOKE	365	0.0	4.8	13.1	22.0	34.4	59.4	16.0	90	53	3
35033	EVANS/ARNOLD AV	ETOBIKOKE	363	0.0	4.1	10.4	17.8	31.6	57.9	14.1	85	40	3
36030	CLEARVIEW HTGS/KEELE ST	YORK	351	0.1	5.0	13.4	22.8	38.1	70.6	17.3	97	50	34
44008	HWY2/NORTH SHORE BLVD E	BURLINGTON	352	1.9	9.9	19.1	28.1	42.5	68.2	21.6	104	52	23
44015	BRONTE RD/WOBURN CRES	OAKVILLE	355	0.4	8.9	19.1	28.1	42.8	69.3	21.0	94	54	12
45025	PS. RITSON RD/OLIVE AV	OSHAWA	363	3.7	12.0	20.4	27.4	37.2	62.8	21.4	102	49	17
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	363	0.0	5.8	13.8	21.8	33.4	55.5	16.1	87	43	1
47035	509 VICTORIA ST E	ALLSTON	338	4.8	15.8	23.8	30.1	41.5	66.5	24.5	95	81	12
48002	HWY47/E OF HWY48	STOUFFVILLE	365	5.9	15.1	22.1	28.4	38.6	60.4	23.0	83	54	1
49010	HWY 117/PAINT LAKE ROAD	DORSET	329	10.3	21.8	29.4	35.6	45.2	67.8	29.5	89	63	16
51001	MCD GDS, RIDEAU/WURTEMBURG ST	OTTAWA	365	1.8	8.4	16.5	24.0	34.4	55.7	18.1	80	56	0
52020	CHURCHILL PK, NAPIER ST	KINGSTON	345	0.0	7.9	17.5	25.5	40.9	67.7	19.5	105	60	12
56051	MEMORIAL PK BEDFORD/THIRD	CORNWALL	344	2.3	12.3	19.3	26.8	40.2	61.3	21.3	89	60	4
59006	CITY HALL, 500 GEORGE ST	PETERBOROUGH	332	0.2	6.5	13.1	18.8	27.2	46.8	14.2	72	35	0
62068	FERNBERG RD	ELY MINNESOTA	366	14.6	22.0	27.6	32.8	41.6	59.0	28.5	79	65	0
63120	CLOUD RIVER - THUNDER BAY	THUNDER BAY	365	8.7	21.2	28.0	33.4	41.2	55.7	27.3	84	61	2
63200	MTC 615 JAMES ST S	THUNDER BAY	363	1.7	10.0	18.3	24.8	31.7	43.9	18.1	62	53	0
71068	WM. MERRIFIELD SCHOOL	S. S. MARIE	365	5.2	14.5	21.9	28.5	35.9	51.4	22.0	86	55	5
75010	OPP STN	NORTH BAY	363	5.8	16.3	24.3	30.7	40.8	60.4	24.5	99	54	6
77203	SCIENCE NORTH	SUDBURY	338	10.5	19.1	25.0	30.5	40.0	60.0	25.9	77	56	0

TABLE A-16 **TOTAL SUSPENDED PARTICULATE (TSP) STATISTICS (1993)**

UNIT = MICROGRAMS/CU.METRE

POLLUTANT - SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA		
				10	30	50	70	90	99			24 HR	1 YR	
11001	309 THOMAS ST.	ST. MARYS	58	17	25	35	46	89	126	152	43	36	1	0
12005	7730 RIVERSIDE DR E	WINDSOR	59	21	29	35	45	59	79	89	38	35	0	0
12006	BEACH LANE/HWY 18	LA SALLE	58	26	39	48	54	79	97	108	49	46	0	0
12007	WRIGHT/WATER ST	WINDSOR	55	36	47	55	63	91	247	412	65	57	3	0
12008	467 UNIVERSITY AV W	WINDSOR	57	31	41	50	58	85	105	111	53	49	0	0
12009	9725 RIVERSIDE DR E LITTLE RIVER	WINDSOR	58	17	30	37	48	61	80	85	40	36	0	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	53	40	52	59	82	141	197	220	75	65	8	1
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	54	38	54	64	85	129	175	184	75	67	7	1
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	56	44	63	86	107	132	185	206	88	80	9	1
12016	COLLEGE/SOUTH ST	WINDSOR	55	32	47	54	62	88	116	123	59	55	1	0
12036	1802 GEORGE AV	WINDSOR	57	25	41	50	58	80	98	100	51	47	0	0
12037	3225 CALIFORNIA ST	WINDSOR	59	29	36	42	50	70	90	93	46	43	0	0
12038	2885 HOWARD AV	WINDSOR	58	48	68	84	110	150	178	190	92	84	12	1
12039	DOUGALL/E.C. ROW W	WINDSOR	25	34	43	48	69	96	146	160	INS	INS	1	INS
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	26	38	47	55	78	107	116	51	46	0	0
12049	643 ALEXANDRINE	WINDSOR	21	23	47	50	56	90	95	96	INS	INS	0	INS
12053	415 FRONT ST	AMHERSTBURG	59	24	34	39	45	66	77	79	41	38	0	0
12054	227 TEXAS RD.	AMHERSTBURG	41	19	35	42	56	74	132	133	49	44	2	0
12055	DUFF ST. (E END)	AMHERSTBURG	58	20	30	33	46	63	78	82	40	36	0	0
14001	GENERAL HOSPITAL, 220 HITTON ST	SARNIA	55	18	27	32	44	61	94	110	38	34	0	0
14016	HWY40 (OPP LAMPTON GS)	COURTRIGHT	51	15	23	29	35	52	69	71	31	27	0	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	59	16	24	32	37	54	82	86	33	29	0	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	16	25	34	40	55	80	86	35	31	0	0
14059	ST CLAIR BLVD/HWY 40	CORUNNA	56	15	25	31	38	49	64	66	32	29	0	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	18	27	33	40	67	93	98	38	33	0	0
14151	DAVID/FRONT ST	SARNIA	57	22	31	41	52	73	102	110	45	40	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	56	19	31	40	58	89	152	155	51	42	3	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	56	14	26	33	44	60	88	100	36	31	0	0
15009	CONSERVATION AUTHORITY	LONGWOODS	59	13	19	26	33	46	62	81	28	25	0	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	17	28	40	55	68	97	111	43	38	0	0
15015	951 COMMISSIONERS RD E	LONDON	55	16	21	27	37	49	64	74	30	28	0	0
15016	801 COMMISSIONERS RD E	LONDON	57	16	24	33	46	64	107	116	38	33	0	0
15017	8 MOUNTSFIELD DR	LONDON	58	17	24	33	41	55	73	89	35	32	0	0
17014	CYANAMIDE RD (GORDON PROP)	BEACHVILLE	55	16	23	32	40	62	78	87	35	31	0	0
17015	26 VINE ST (MOE TRAILER)	BEACHVILLE	58	23	30	35	47	76	107	127	43	38	1	0
17020	HWY 2 RR 2 (J SPRIEL PROP)	INGERSOLL	59	27	39	47	73	107	142	150	60	52	2	0
17021	OXFORD CTY RD 6 (HESSTON FARM)	EMBRO	56	32	46	60	75	122	203	271	69	60	6	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	14	26	28	43	70	93	99	INS	INS	0	INS
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	17	25	31	47	74	91	91	INS	INS	0	INS
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	15	19	24	34	47	58	60	INS	INS	0	INS
22092	RAINHAM RD/SANDUSK RD	NANTICOKE	48	10	21	27	37	50	94	130	31	25	1	0
22904	WALPOLE S PS, SANDUSK RD	NANTICOKE	49	10	15	21	29	39	65	68	24	20	0	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	20	33	39	53	83	129	140	48	42	1	0
22961	NANTICOKE RD/WALPOLE CON 2	NANTICOKE	51	12	17	27	38	49	106	130	31	26	1	0
22964	N 2 KM NANTICOKE GS	NANTICOKE	53	15	25	30	40	55	77	80	33	29	0	0
27008	71 KING ST	ST. CATHARINES	57	29	36	45	54	74	133	148	50	46	2	0
27045	337 ALBERTA/DEVON ST	WELLAND	54	21	30	36	47	63	113	128	42	38	1	0
27047	DAVIS/FRAZER	PORT COLBORNE	53	21	26	35	49	75	115	119	43	37	0	0
27050	4057 VICTORIA AV	NIAGARA FALLS	59	24	28	35	44	68	99	101	41	37	0	0
27052	185 QUEEN ST S	THOROLD	35	36	43	52	60	93	157	180	INS	INS	1	INS
27055	STP GROUNDS, STANLEY AV	NIAGARA FALLS	53	30	49	65	81	129	219	256	74	62	7	1
27056	NIAGARA F- ALLENDALE	NIAGARA FALLS	38	22	28	35	49	76	134	150	INS	INS	1	INS
27072	HWY 405/STANLEY AV	NIAGARA FALLS	11	23	26	27	38	48	50	50	INS	INS	0	INS
28027	HANLON EXPWY/SPEED RIVER	GUELPH	45	23	31	38	54	85	345	630	61	44	3	0

TABLE A-16 (cont.) TOTAL SUSPENDED PARTICULATE (TSP) STATISTICS (1993)

UNIT = MICROGRAMS/CU.METRE

POLLUTANT - SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MAX	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA		
				10	30	50	70	90	99			24 HR	1 YR	
29000	ELGIN/KELLY	HAMILTON	55	27	38	46	66	115	160	203	61	53	5	0
29009	KENILWORTH	HAMILTON	54	25	31	48	63	85	160	167	54	45	3	0
29011	BURLINGTON/LEEDS	HAMILTON	55	43	60	73	117	149	246	247	93	81	14	1
29017	CHATHAM/FRID	HAMILTON	51	35	41	57	70	110	175	220	63	57	2	0
29025	BARTON/WENTWORTH	HAMILTON	53	30	42	50	71	104	143	158	62	56	2	0
29067	450 HUGHSON ST N	HAMILTON	54	21	34	40	53	75	97	102	45	40	0	0
29087	405 CUMBERLAND AV	HAMILTON	55	27	37	43	58	88	161	165	53	47	4	0
29098	BAY/MAIN ST	HAMILTON	53	22	29	40	50	84	141	170	47	40	1	0
29102	467 BEACH BLVD	HAMILTON	47	28	42	59	78	106	135	150	65	57	1	0
29105	NASH/KENTLY DR.	HAMILTON	53	22	31	39	52	74	144	153	47	41	2	0
29111	OFIELD RD/HWY 5	GREENSVILLE	55	37	55	80	113	173	332	504	98	80	14	1
29112	HARVEST RD/WESITE	GREENSVILLE	58	13	22	31	40	54	89	100	33	29	0	0
29113	GERTRUDE/DEPEW	HAMILTON	52	33	44	56	79	140	232	240	75	63	8	1
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	21	30	39	53	79	122	136	46	40	1	0
29118	MAIN ST/W HWY 403	HAMILTON	56	21	28	37	48	74	99	101	42	37	0	0
29119	MORLEY ST/PARKDALE AV	HAMILTON	57	36	49	62	72	105	136	157	65	59	3	0
29122	DUNDURN/YORK	HAMILTON	40	19	28	36	44	59	76	80	INS	INS	0	INS
29124	BUCHANAN PARK PS	HAMILTON	52	22	27	36	44	78	130	141	43	37	1	0
29130	EWEN RD/WHITNEY AV	HAMILTON	54	14	24	28	37	70	116	150	37	30	1	0
29135	ALBRIGHT RD/MT ALBION RD	HAMILTON	56	17	24	32	41	58	101	110	37	32	0	0
29143	KEEFER CRT/MOEE LAB	HAMILTON	51	37	46	56	74	97	125	130	63	58	1	0
31045	BRUCE PS, 51 LARCHMOUNT AV	TORONTO	326	21	31	40	52	74	110	160	45	40	2	0
31058	MOSLEY/LESLIE STS	TORONTO	318	27	37	47	61	85	140	190	53	48	8	0
31065	A.R.CLARKE CO. 633 EASTERN AVE.	TORONTO	314	27	40	51	66	92	160	190	58	52	10	0
31082	WORKS DEPT, 138 HAMILTON AV	TORONTO	305	29	38	50	65	90	150	192	56	50	12	0
31085	TECUMSETH/NIAGARA ST	TORONTO	55	25	36	46	54	73	106	113	48	44	0	0
31103	BAY/GROSVENOR	TORONTO	335	29	39	46	58	81	113	153	52	48	1	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	22	36	42	54	74	108	111	46	42	0	0
31183	FORT YORK	TORONTO	57	27	37	47	53	77	103	107	50	46	0	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	21	28	40	55	83	109	111	INS	INS	0	INS
33003	LAWRENCE/KENNEDY	SCARBOROUGH	54	28	39	48	59	85	160	173	55	49	4	0
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	51	25	33	43	51	83	131	145	48	42	1	0
34025	35 EDGAR AVE	NORTH YORK	18	31	43	49	65	103	125	128	INS	INS	1	INS
34034	111 FENMAR DRIVE	NORTH YORK	47	47	72	101	139	193	332	351	117	99	17	1
35003	ELMCREST RD (CENTENNIAL PK)	ETOBICOKE	58	21	28	35	46	62	92	96	39	36	0	0
35033	EVANS/ARNOLD AV	ETOBICOKE	60	32	46	58	66	98	126	130	61	56	3	0
36030	CLEARVIEW HTGS/KEELE ST	YORK	49	23	35	45	53	80	153	164	50	43	2	0
44005	2487 LAKESHORE RD. E	OAKVILLE	131	18	25	35	43	73	137	146	INS	INS	5	INS
44008	HWY 2/NORTH SHORE BLVD E	OAKVILLE	41	24	36	47	62	93	138	156	53	47	1	0
44015	BRONTE RD/WOBURN CRES	OAKVILLE	59	23	29	41	46	63	121	140	41	37	1	0
46025	PS. RITSON RD/OLIVE AV	OSHAWA	59	22	32	40	45	72	94	96	42	38	0	0
46033	FIRE HALL, BRAMALEA RD	BRAMALEA	20	17	32	41	56	95	140	146	INS	INS	1	INS
46045	2365 DIXIE RD	MISSISSAUGA	318	24	36	45	57	83	129	150	50	45	7	0
46046	2360 DIXIE RD	MISSISSAUGA	306	26	35	44	55	78	159	210	50	44	8	0
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	51	25	33	43	54	75	97	101	46	42	0	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	15	25	27	36	72	117	120	INS	INS	0	INS
48002	HWY47/E OF HWY48	STOUFFVILLE	45	14	22	28	37	52	94	109	32	28	0	0
49011	HWY117 PAINT LAKE ROAD	DORSET	58	5	8	10	16	23	30	31	13	11	0	0
62032	CEMETERY, COLONIZATION RD W	FORT FRANCES	58	7	10	16	22	40	57	61	19	15	0	0
62035	LEGION BLDG, 250 CHURCH ST	FORT FRANCES	55	13	30	41	52	86	123	140	46	38	1	0
63046	CAN-CAR, MONTREAL ST	THUNDER BAY	61	20	38	48	73	160	293	420	72	53	8	0
63200	MTC 615 JAMES ST S	THUNDER BAY	57	17	26	29	37	56	87	89	34	30	0	0
71042	PUMPHOUSE, BONNEY ST	SAULT STE MARIE	343	17	35	59	90	157	281	330	74	54	59	0
71049	LAND OFFICE, QUEEN ST	SAULT STE MARIE	59	16	22	27	33	48	73	83	30	27	0	0

TABLE A-16 (cont.) TOTAL SUSPENDED PARTICULATE (TSP) STATISTICS (1993)
UNIT = MICROGRAMS/CU.METRE

POLLUTANT - SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA		
				10	30	50	70	90	99			24 HR	1 YR	
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	112	15	24	32	42	75	163	179	40	32	3	0
71074	165 GOVERNMENT ROAD	WAWA	43	14	23	33	61	92	345	512	59	38	4	0
71075	3 MAPLE STREET/WAWA COLLEGE	WAWA	32	14	19	26	36	56	66	67	INS	INS	0	INS
72083	TREMBLAY ST (E OF QUIRION)	HEARST	116	20	31	48	74	170	279	390	71	49	19	0
75046	10169 LAKESHORE RD	NEW LISKEARD	116	10	14	21	28	52	100	130	27	21	1	0
77026	19 LISGAR ST	SUDBURY	55	17	23	30	40	55	116	118	35	31	0	0
77029	POST OFFICE, SPRUCE/BARBER ST	ESPAÑOLA	60	19	28	36	52	86	134	148	46	38	2	0
77070	PUMPHOUSE, NICKEL ST	COPPER CLIFF	57	13	20	27	34	65	195	264	36	27	2	0

TABLE A-17 LEAD (Pb) IN TSP STATISTICS (1993)

UNIT = .01 MICROGRAMS/CU.METRE

POLLUTANT - LEAD IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR	
				10	30	50	70	90	99				
12005	7730 RIVERSIDE DR E	WINDSOR	59	1	1	2	2	4	6	8	2	1	0
12007	WRIGHT/WATER ST	WINDSOR	55	1	1	2	3	5	12	15	3	1	0
12008	467 UNIVERSITY AV W	WINDSOR	57	1	1	2	3	4	8	9	2	1	0
12009	9725 RIVERSIDE DR E LITTLE RIVER	WINDSOR	58	1	1	1	2	3	4	5	1	0	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	53	1	3	3	5	9	12	14	4	3	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	49	1	2	2	3	7	10	12	3	2	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	1	3	3	4	6	10	10	3	2	0
12016	COLLEGE/SOUTH ST	WINDSOR	50	1	2	3	4	5	9	10	3	2	0
12038	2885 HOWARD AV	WINDSOR	54	2	3	5	7	12	17	19	6	4	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	1	2	2	3	6	8	9	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	1	1	2	3	4	8	8	2	1	0
12049	643 ALEXANDRINE	WINDSOR	21	1	2	3	3	4	14	19	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	1	1	1	2	3	5	6	1	1	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	61	1	1	1	1	3	4	5	1	1	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	55	1	1	1	1	2	3	3	0	0	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	1	1	1	2	3	6	7	1	1	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	52	1	1	1	2	3	5	7	1	1	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	56	1	1	1	2	5	5	6	2	1	0
15009	CONSERVATION AUTHORITY	LONGWOODS	58	1	1	1	1	1	6	15	0	0	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	1	1	1	2	2	3	3	1	1	0
15015	951 COMMISSIONERS RD E	LONDON	55	1	1	1	2	3	4	4	1	1	0
15016	801 COMMISSIONERS RD E	LONDON	57	1	1	1	1	2	4	4	1	0	0
15017	8 MOUNTSFIELD DR	LONDON	58	1	1	1	2	2	3	4	1	1	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	1	1	1	2	4	5	5	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	1	1	1	2	2	3	3	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	1	1	1	1	3	3	3	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	1	1	2	3	7	12	13	3	1	0
27008	71 KING ST	ST. CATHARINES	53	1	1	1	2	5	9	9	2	1	0
27052	185 QUEEN ST S	THOROLD	32	1	1	3	4	6	11	13	INS	INS	0
29011	BURLINGTON/LEEDS	HAMILTON	50	3	5	7	12	24	45	46	12	8	0
29025	BARTON/WENTWORTH	HAMILTON	56	1	2	3	4	13	51	110	7	3	0
29067	450 HUGHSON ST N	HAMILTON	54	1	1	1	2	5	8	9	2	1	0
29098	BAY/MAIN ST	HAMILTON	53	1	1	2	3	5	8	9	2	1	0
29102	467 BEACH BLVD	HAMILTON	46	1	2	3	4	6	10	11	3	2	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	1	1	2	3	6	9	10	3	2	0
31045	BRUCE PS, 51 LARCHMOUNT AV	TORONTO	325	1	4	5	5	10	22	39	5	3	0
31058	MOSLEY/LESLIE STS	TORONTO	318	3	5	6	17	46	170	1600	24	9	1
31065	A.R.CLARKE CO. 633 EASTERN AVE.	TORONTO	314	2	5	5	11	38	137	180	14	6	0
31082	WORKS DEPT, 138 HAMILTON AV	TORONTO	306	1	1	2	4	6	11	70	3	1	0
31085	TECUMSETH/NIAGARA ST	TORONTO	55	1	1	1	2	5	6	6	2	1	0
31103	BAY/GROSVENOR	TORONTO	335	1	2	2	3	4	9	11	2	2	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	1	1	2	3	3	7	8	2	1	0
31183	FORT YORK	TORONTO	57	1	1	1	2	4	6	7	1	1	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	1	2	2	3	3	3	3	INS	INS	0
33003	LAWRENCE/KENNEDY	SCARBOROUGH	54	1	1	1	2	4	8	9	1	1	0
34020	HENDON AVE (YONGE/FINCH)	NORTH YORK	51	1	1	1	2	4	6	7	1	1	0
34025	35 EDGAR AVE	NORTH YORK	18	1	1	1	1	5	6	6	INS	INS	0
34034	111 FENMAR DRIVE	NORTH YORK	47	1	5	11	46	168	264	310	48	10	0
35003	ELMCREST RD (CENTENNIAL PK)	ETOBIKOKE	58	1	1	1	2	4	6	6	1	1	0
35033	EVANS/ARNOLD AV	ETOBIKOKE	60	1	1	2	3	5	7	8	2	1	0
36030	CLEARVIEW HTGS/KEELE ST	YORK	49	1	1	1	3	5	11	13	2	1	0
44005	2487 LAKESHORE RD. E	OAKVILLE	133	1	1	1	1	2	3	5	1	0	0
44008	HWY 2/NORTH SHORE BLVD E	OAKVILLE	41	1	1	1	2	4	6	6	1	1	0

TABLE A-17 (cont.) LEAD (Pb) IN TSP STATISTICS (1993)

UNIT = .01 MICROGRAMS/CU.METRE

POLLUTANT - LEAD IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR	
				10	30	50	70	90	99				
44015	BRONTE RD/WOBURN CRES	OAKVILLE	59	1	1	1	2	3	6	7	1	0	0
46045	2365 DIXIE RD	MISSISSAUGA	320	2	6	12	25	86	232	420	31	11	0
46046	2360 DIXIE RD	MISSISSAUGA	307	6	18	32	58	159	399	534	61	29	1
46110	QUEENSWAY W/HURONTARIO ST	MISSISSAUGA	51	1	1	1	2	5	6	6	1	1	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	1	1	2	3	4	29	33	INS	INS	0
48002	HWY47/E OF HWY48	STOUFFVILLE	45	1	1	1	2	4	11	11	2	1	0
63200	MTC 615 JAMES ST S	THUNDER BAY	58	1	1	1	1	2	6	6	1	0	0
71049	LAND OFFICE, QUEEN ST	SAULT STE MARIE	59	1	1	1	2	2	4	5	1	0	0
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	111	1	1	1	2	3	10	15	1	1	0
71074	165 GOVERNMENT ROAD	WAWA	43	1	1	1	2	5	32	57	3	1	0
71075	3 MAPLE STREET/WAWA COLLEGE	WAWA	32	1	1	1	2	5	48	66	INS	INS	0
77026	19 LISGAR ST	SUDBURY	54	1	1	2	2	3	7	9	2	1	0

TABLE A-18

IRON (Fe) IN TSP STATISTICS (1993)

UNIT = .1 MICROGRAMS/CU.METRE

POLLUTANT - IRON IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR	
				10	30	50	70	90	99				
12005	7730 RIVERSIDE DR E	WINDSOR	59	21	29	35	45	59	79	89	38	35	0
12007	WRIGHT/WATER ST	WINDSOR	55	36	47	55	63	91	247	412	65	57	3
12008	467 UNIVERSITY AV W	WINDSOR	57	31	41	50	58	85	105	111	53	49	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	53	40	52	59	82	141	197	220	75	65	8
12013	FILTRAT PLT,3665 WYANDOTTE ST E	WINDSOR	54	38	54	64	85	129	175	184	75	67	7
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	56	44	63	86	107	132	185	206	88	80	9
12016	COLLEGE/SOUTH ST	WINDSOR	55	32	47	54	62	88	116	123	59	55	1
12038	2885 HOWARD AV	WINDSOR	58	48	68	84	110	150	178	190	92	84	12
12039	DOUGALL/E.C. ROW W	WINDSOR	25	34	43	48	69	96	146	160	INS	INS	1
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	26	38	47	55	78	107	116	51	46	0
12049	643 ALEXANDRINE	WINDSOR	21	23	47	50	56	90	95	96	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	15	23	29	35	52	69	71	31	27	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	59	16	24	32	37	54	82	86	33	29	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	16	25	34	40	55	80	86	35	31	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS	SARNIA	58	18	27	33	40	67	93	98	38	33	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	56	19	31	40	58	89	152	155	51	42	3
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	56	14	26	33	44	60	88	100	36	31	0
15009	CONSERVATION AUTHORITY	LONGWOODS	59	13	19	26	33	46	62	81	28	25	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	17	28	40	55	68	97	111	43	38	0
15015	951 COMMISSIONERS RD E	LONDON	55	16	21	27	37	49	64	74	30	28	0
15016	801 COMMISSIONERS RD E	LONDON	57	16	24	33	46	64	107	116	38	33	0
15017	8 MOUNTSFIELD DR	LONDON	58	17	24	33	41	55	73	89	35	32	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	14	26	28	43	70	93	99	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	17	25	31	47	74	91	91	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	15	19	24	34	47	58	60	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	20	33	39	53	83	129	140	48	42	1
27008	71 KING ST	ST. CATHARINES	57	29	36	45	54	74	133	148	50	46	2
27052	185 QUEEN ST S	THOROLD	35	36	43	52	60	93	157	180	INS	INS	1
29011	BURLINGTON/LEEDS	HAMILTON	55	43	60	73	117	149	246	247	93	81	14
29025	BARTON/WENTWORTH	HAMILTON	53	30	42	50	71	104	143	158	62	56	2
29067	450 HUGHSON ST N	HAMILTON	54	21	34	40	53	75	97	102	45	40	0
29098	BAY/MAIN ST	HAMILTON	53	22	29	40	50	84	141	170	47	40	1
29102	467 BEACH BLVD	HAMILTON	47	28	42	59	78	106	135	150	65	57	1
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	21	30	39	53	79	122	136	46	40	1
31058	MOSLEY/LESLIE STS	TORONTO	318	27	37	47	61	85	140	190	53	48	8
31103	BAY/GROSVENOR	TORONTO	335	29	39	46	58	81	113	153	52	48	1
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	22	36	42	54	74	108	111	46	42	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	21	28	40	55	83	109	111	INS	INS	0
34034	111 FENMAR DRIVE	NORTH YORK	47	47	72	101	139	193	332	351	117	99	17
36030	CLEARVIEW HTGS/KEELE ST	YORK	49	23	35	45	53	80	153	164	50	43	2
44005	2487 LAKESHORE RD. E	OAKVILLE	131	18	25	35	43	73	137	146	41	35	5
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	15	25	27	36	72	117	120	INS	INS	0
71042	PUMPHOUSE, BONNEY ST	SAULT STE MARIE	343	17	35	59	90	157	281	330	74	54	59
71049	LAND OFFICE, QUEEN ST	SAULT STE MARIE	59	16	22	27	33	48	73	83	30	27	0
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	112	15	24	32	42	75	163	179	40	32	3
71074	165 GOVERNMENT ROAD	WAWA	43	14	23	33	61	92	345	512	59	38	4
71075	3 MAPLE STREET/WAWA COLLEGE	WAWA	32	14	19	26	36	56	66	67	INS	INS	0
77026	19 LISGAR ST	SUDBURY	55	17	23	30	40	55	116	118	35	31	0
77070	PUMPHOUSE, NICKEL ST	COPPER CLIFF	57	13	20	27	34	65	195	264	36	27	2

TABLE A-19

MANGANESE (Mn) IN TSP STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - MANGANESE IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR	
				10	30	50	70	90	99				
12005	7730 RIVERSIDE DR E	WINDSOR	59	10	16	20	29	50	74	80	25	21	0
12007	WRIGHT/WATER ST	WINDSOR	55	23	40	57	70	96	384	740	72	52	0
12008	467 UNIVERSITY AV W	WINDSOR	57	14	23	30	41	72	118	130	39	32	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	48	14	28	40	64	118	311	440	62	42	0
12013	FILTRAT PLT,3665 WYANDOTTE ST E	WINDSOR	49	22	30	56	96	220	414	470	93	60	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	36	52	60	77	120	190	200	75	67	0
12016	COLLEGE/SOUTH ST	WINDSOR	50	20	31	50	71	111	170	170	58	46	0
12038	2885 HOWARD AV	WINDSOR	54	36	56	94	150	227	301	340	116	90	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	10	24	40	50	86	118	120	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	13	21	30	38	64	90	91	35	29	0
12049	643 ALEXANDRINE	WINDSOR	21	10	16	37	50	80	108	110	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	2	5	9	12	20	28	30	10	7	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	60	2	8	10	14	22	30	30	12	9	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	2	5	8	14	20	34	40	10	8	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	5	10	14	20	30	41	41	16	13	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	52	10	13	20	29	50	86	90	26	21	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	23	2	2	8	18	29	35	35	INS	INS	0
15009	CONSERVATION AUTHORITY	LONGWOODS	18	5	5	10	20	27	30	30	INS	INS	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	7	15	20	29	45	66	83	23	19	0
15015	951 COMMISSIONERS RD E	LONDON	55	5	9	15	20	30	44	50	16	13	0
15016	801 COMMISSIONERS RD E	LONDON	57	6	12	18	20	30	41	43	18	15	0
15017	8 MOUNTSFIELD DR	LONDON	58	2	6	13	19	29	42	42	14	11	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	5	10	35	53	192	450	480	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	7	13	20	42	160	231	250	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	5	5	10	29	143	159	160	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	25	40	70	99	201	355	400	91	65	0
27008	71 KING ST	ST. CATHARINES	53	17	24	30	36	51	85	110	32	29	0
27052	185 QUEEN ST S	THOROLD	32	20	30	40	61	96	137	140	51	43	0
29011	BURLINGTON/LEEDS	HAMILTON	50	109	170	300	390	623	1079	1160	334	259	0
29025	BARTON/WENTWORTH	HAMILTON	56	55	76	110	210	440	723	780	188	132	0
29067	450 HUGHSON ST N	HAMILTON	54	17	25	40	53	154	270	380	63	43	0
29098	BAY/MAIN ST	HAMILTON	53	18	28	38	96	264	463	590	95	54	0
29102	467 BEACH BLVD	HAMILTON	46	29	82	160	195	285	340	340	154	116	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	13	20	28	49	128	263	290	55	35	0
31058	MOSLEY/LESLIE STS	TORONTO	318	11	20	30	40	75	150	200	38	28	0
31103	BAY/GROSVENOR	TORONTO	335	20	29	34	43	60	104	150	38	33	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	13	20	23	32	49	86	90	29	25	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	10	20	20	30	50	81	90	INS	INS	0
34034	111 FENMAR DRIVE	NORTH YORK	47	18	35	50	70	99	220	250	60	45	0
44005	2487 LAKESHORE RD. E	OAKVILLE	127	2	2	10	20	30	108	160	16	8	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	8	12	16	27	50	59	62	INS	INS	0
71042	PUMPHOUSE, BONNEY ST	SAULT STE MARIE	344	33	110	200	360	637	1623	2870	306	179	1
71049	LAND OFFICE, QUEEN ST	SAULT STE MARIE	59	14	29	40	68	97	183	220	52	40	0
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	111	13	30	58	100	270	491	800	105	55	0
71074	165 GOVERNMENT ROAD	WAWA	43	22	59	110	252	654	2069	2894	289	121	1
71075	3 MAPLE STREET/WAWA COLLEGE	WAWA	32	14	22	36	66	208	298	330	INS	INS	0

TABLE A-20

NICKEL (Ni) IN TSP STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - NICKEL IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES							ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR
				10	30	50	70	90	99	MAX			
12005	7730 RIVERSIDE DR E	WINDSOR	59	2	2	5	5	10	17	18	5	4	0
12007	WRIGHT/WATER ST	WINDSOR	55	2	2	5	6	11	20	20	6	4	0
12008	467 UNIVERSITY AV W	WINDSOR	57	2	5	6	12	28	103	150	14	7	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	48	2	2	5	9	14	23	26	7	5	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	49	2	5	6	10	14	30	45	8	6	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	2	5	7	10	20	24	30	9	7	0
12016	COLLEGE/SOUTH ST	WINDSOR	50	2	5	6	8	20	26	30	8	6	0
12038	2885 HOWARD AV	WINDSOR	54	5	6	9	14	24	84	140	15	10	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	5	5	5	8	11	14	14	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	2	2	5	6	14	19	20	6	5	0
12049	643 ALEXANDRINE	WINDSOR	21	5	5	5	5	10	16	17	INS	INS	0
14016	HWY40 (OPP LAMPTON GS)	COURTRIGHT	51	2	2	5	8	17	38	40	9	6	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	60	2	2	5	5	8	10	11	4	4	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	2	2	3	5	8	15	19	4	4	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	2	5	5	7	20	65	68	10	6	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	52	2	2	2	5	6	11	12	4	3	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	23	2	2	2	2	2	9	10	INS	INS	0
15009	CONSERVATION AUTHORITY	LONGWOODS	18	2	5	5	5	5	5	5	INS	INS	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	2	2	2	5	6	11	14	3	3	0
15015	951 COMMISSIONERS RD E	LONDON	55	2	2	2	5	6	9	11	3	3	0
15016	801 COMMISSIONERS RD E	LONDON	57	2	2	2	5	8	16	20	4	3	0
15017	8 MOUNTSFIELD DR	LONDON	58	2	2	2	5	8	13	16	4	4	0
17023	423 DEVONSHIRE AVE. (LOGGE)	WOODSTOCK	20	2	5	5	5	6	12	13	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	2	5	5	5	8	18	20	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	2	5	5	5	5	17	20	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	2	2	5	6	10	19	20	5	4	0
27008	71 KING ST	ST. CATHARINES	53	2	2	2	5	8	14	15	4	3	0
27047	DAVIS/FRAZER	PORT COLBORNE	49	4	6	10	20	91	290	390	34	13	0
27052	185 QUEEN ST S	THOROLD	32	2	3	7	14	32	40	42	INS	INS	0
29011	BURLINGTON/LEEDS	HAMILTON	50	2	5	9	12	19	21	21	10	8	0
29025	BARTON/WENTWORTH	HAMILTON	56	2	2	5	7	15	31	40	7	5	0
29067	450 HUGHSON ST N	HAMILTON	55	2	2	2	5	6	10	10	3	3	0
29098	BAY/MAIN ST	HAMILTON	53	2	2	2	5	8	16	20	4	3	0
29102	467 BEACH BLVD	HAMILTON	46	2	2	8	10	19	22	22	8	6	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	2	2	2	5	8	21	30	4	3	0
31058	MOSLEY/LESLIE STS	TORONTO	318	2	2	2	5	8	20	60	4	3	0
31103	BAY/GROSVENOR	TORONTO	335	2	2	2	5	7	11	30	4	3	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	2	2	2	5	8	10	10	4	3	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	5	5	5	5	5	16	20	INS	INS	0
44005	2487 LAKESHORE RD. E	OAKVILLE	127	2	2	2	5	5	10	20	4	3	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	2	2	2	2	8	11	12	INS	INS	0
77028	19 LISGAR ST	SUDBURY	54	11	24	42	70	194	545	750	88	45	0
77070	PUMPHOUSE, NICKEL ST	COPPER CLIFF	57	32	64	130	314	601	3216	7240	364	135	1

TABLE A-21

CHROMIUM (Cr) IN TSP STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - CHROMIUM IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR	
				10	30	50	70	90	99				
12005	7730 RIVERSIDE DR E	WINDSOR	59	2	2	5	7	13	27	40	7	5	0
12007	WRIGHT/WATER ST	WINDSOR	55	5	7	10	13	21	53	81	13	10	0
12008	467 UNIVERSITY AV W	WINDSOR	57	2	5	9	11	20	34	39	10	8	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	48	2	5	9	13	20	38	52	11	8	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	49	5	7	12	28	39	51	52	18	13	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	5	8	10	20	25	63	96	15	11	0
12016	COLLEGE/SOUTH ST	WINDSOR	50	2	5	10	12	20	25	30	10	7	0
12038	2885 HOWARD AV	WINDSOR	54	6	18	29	39	88	155	160	39	25	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	2	5	5	10	12	36	44	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	2	5	7	10	14	24	30	8	6	0
12049	643 ALEXANDRINE	WINDSOR	21	2	5	5	10	20	28	30	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	2	2	5	6	10	23	26	6	4	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	60	2	2	5	8	16	21	21	7	5	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	2	2	5	5	10	20	23	5	4	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	2	5	5	10	29	46	47	10	6	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	52	2	2	5	7	13	25	26	7	5	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	23	2	2	2	2	9	12	12	INS	INS	0
15009	CONSERVATION AUTHORITY	LONGWOODS	18	4	5	5	5	5	7	8	INS	INS	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	2	2	5	6	12	23	24	6	5	0
15015	951 COMMISSIONERS RD E	LONDON	55	2	2	5	7	28	38	41	8	5	0
15016	801 COMMISSIONERS RD E	LONDON	57	2	2	5	7	27	39	40	8	5	0
15017	8 MOUNTSFIELD DR	LONDON	58	2	2	2	5	10	32	34	6	4	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	5	5	5	5	7	17	20	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	2	5	5	5	7	35	40	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	2	5	5	5	5	9	10	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	3	7	10	13	27	39	40	13	10	0
27008	71 KING ST	ST. CATHARINES	53	2	5	8	10	19	35	41	9	7	0
27052	185 QUEEN ST S	THOROLD	32	49	113	410	848	1579	2195	2400	INS	INS	4
29011	BURLINGTON/LEEDS	HAMILTON	50	20	34	47	71	120	160	160	59	47	0
29025	BARTON/WENTWORTH	HAMILTON	56	5	9	15	29	73	119	130	28	16	0
29067	450 HUGHSON ST N	HAMILTON	54	2	2	6	10	22	39	41	9	6	0
29098	BAY/MAIN ST	HAMILTON	53	2	5	6	18	30	76	89	14	8	0
29102	467 BEACH BLVD	HAMILTON	43	2	11	20	25	34	49	51	20	14	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	2	3	6	10	20	40	46	9	6	0
31058	MOSLEY/LESLIE STS	TORONTO	318	2	2	6	11	20	40	51	9	6	0
31103	BAY/GROSVENOR	TORONTO	335	2	5	5	10	20	28	31	8	6	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	2	2	7	10	20	21	21	8	5	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	5	5	5	10	12	20	20	INS	INS	0
44005	2487 LAKESHORE RD. E	OAKVILLE	127	2	2	2	5	10	20	20	4	3	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	2	2	2	6	12	20	22	INS	INS	0

TABLE A-22

CADMIUM (Cd) IN TSP STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - CADMIUM IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES							ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR
				10	30	50	70	90	99	MAX			
12005	7730 RIVERSIDE DR E	WINDSOR	50	1	1	1	1	2	5	6	1	0	0
12007	WRIGHT/WATER ST	WINDSOR	45	1	1	1	2	5	9	9	2	1	0
12008	467 UNIVERSITY AV W	WINDSOR	47	1	1	1	1	4	21	22	2	1	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	39	1	1	1	1	2	6	6	1	1	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	37	1	1	1	1	3	7	7	1	1	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	37	1	1	1	3	9	18	20	3	1	0
12016	COLLEGE/SOUTH ST	WINDSOR	45	1	1	1	2	6	8	8	2	1	0
12038	2885 HOWARD AV	WINDSOR	50	1	1	1	2	3	4	5	1	1	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	1	1	1	1	2	3	3	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	43	1	1	1	1	1	2	2	1	0	0
12049	643 ALEXANDRINE	WINDSOR	21	1	1	1	1	1	2	2	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	42	1	1	1	1	1	108	125	5	0	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	55	1	1	1	1	1	7	13	0	0	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	52	1	1	1	1	1	1	1	0	0	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	48	1	1	1	1	1	1	1	0	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	38	1	1	1	1	1	2	3	INS	INS	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	19	1	1	1	1	1	1	1	INS	INS	0
15009	CONSERVATION AUTHORITY	LONGWOODS	18	1	1	1	1	1	2	2	INS	INS	0
15014	POND MILLS RD/DEVERON CRES	LONDON	55	1	1	1	1	1	2	3	0	0	0
15015	951 COMMISSIONERS RD E	LONDON	50	1	1	1	1	1	2	2	0	0	0
15016	801 COMMISSIONERS RD E	LONDON	48	1	1	1	1	1	1	2	0	0	0
15017	8 MOUNTSFIELD DR	LONDON	53	1	1	1	1	1	1	1	0	0	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	1	1	1	1	1	1	1	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	1	1	1	1	1	1	1	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	1	1	1	1	1	1	0	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	1	1	1	1	1	3	4	0	0	0
27008	71 KING ST	ST. CATHARINES	50	1	1	1	1	1	1	1	0	0	0
27052	185 QUEEN ST S	THOROLD	23	1	1	1	1	1	1	1	INS	INS	0
29011	BURLINGTON/LEEDS	HAMILTON	47	1	1	1	2	4	8	9	2	1	0
29025	BARTON/WENTWORTH	HAMILTON	51	1	1	1	1	2	3	6	1	0	0
29067	450 HUGHSON ST N	HAMILTON	55	1	1	1	1	1	2	6	0	0	0
29098	BAY/MAIN ST	HAMILTON	51	1	1	1	1	1	1	2	0	0	0
29102	467 BEACH BLVD	HAMILTON	40	1	1	1	1	1	4	9	INS	INS	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	46	1	1	1	1	1	1	2	0	0	0
31058	MOSLEY/LESLIE STS	TORONTO	318	1	1	1	1	2	8	12	1	1	0
31103	BAY/GROSVENOR	TORONTO	302	1	1	1	1	1	2	3	0	0	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	1	1	1	1	1	1	6	6	1	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	1	1	1	1	2	7	8	INS	INS	0
44005	2487 LAKESHORE RD. E	OAKVILLE	127	1	1	1	1	1	1	2	0	0	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	1	1	2	3	6	8	9	INS	INS	0

TABLE A-23

VANADIUM (V) IN TSP STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - VANADIUM IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR	
				10	30	50	70	90	99				
12005	7730 RIVERSIDE DR E	WINDSOR	59	2	5	5	12	35	76	84	14	7	0
12007	WRIGHT/WATER ST	WINDSOR	55	2	5	6	13	42	91	98	16	8	0
12008	467 UNIVERSITY AV W	WINDSOR	57	2	5	8	17	40	78	86	16	9	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	48	2	2	5	7	17	35	49	7	5	0
12013	FILTRAT PLT,3665 WYANDOTTE ST E	WINDSOR	49	2	3	5	15	31	69	77	14	7	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	2	5	10	13	29	64	70	14	9	0
12016	COLLEGE/SOUTH ST	WINDSOR	50	2	2	5	6	12	98	100	9	5	0
12038	2885 HOWARD AV	WINDSOR	54	2	2	5	11	28	49	53	11	6	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	2	2	5	5	5	10	10	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	2	2	2	5	8	12	14	4	3	0
12049	643 ALEXANDRINE	WINDSOR	21	2	2	5	5	5	17	20	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	2	2	5	6	20	114	130	11	5	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	60	2	2	2	10	59	114	120	16	6	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	2	2	3	8	32	103	110	13	5	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS	SARNIA	58	2	2	6	21	88	144	150	26	9	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	52	2	2	5	5	19	42	45	8	4	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	23	2	2	2	2	126	163	170	INS	INS	0
15009	CONSERVATION AUTHORITY	LONGWOODS	18	5	5	10	14	40	55	58	17	11	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	2	2	5	5	21	51	52	8	5	0
15015	951 COMMISSIONERS RD E	LONDON	55	2	2	5	17	31	58	60	13	7	0
15016	801 COMMISSIONERS RD E	LONDON	57	2	2	5	10	40	67	72	13	6	0
15017	8 MOUNTSFIELD DR	LONDON	58	2	2	2	5	10	34	40	5	3	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	5	5	5	5	12	41	50	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	2	5	5	5	20	28	30	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	2	5	5	5	26	49	50	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	53	2	5	9	13	34	49	54	14	9	0
27008	71 KING ST	ST. CATHARINES	53	2	5	8	26	39	49	50	16	9	0
27052	185 QUEEN ST S	THOROLD	32	2	2	2	21	130	167	170	INS	INS	0
29011	BURLINGTON/LEEDS	HAMILTON	50	2	4	9	15	30	40	40	12	8	0
29025	BARTON/WENTWORTH	HAMILTON	56	2	5	9	20	46	57	60	16	10	0
29067	450 HUGHSON ST N	HAMILTON	54	2	2	2	5	10	17	20	5	4	0
29098	BAY/MAIN ST	HAMILTON	53	2	2	5	7	26	53	55	10	5	0
29102	467 BEACH BLVD	HAMILTON	46	2	2	14	27	35	53	55	17	10	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	2	5	6	11	38	46	46	12	7	0
31058	MOSLEY/LESLIE STS	TORONTO	318	2	2	3	5	11	18	26	5	4	0
31103	BAY/GROSVENOR	TORONTO	335	2	2	5	7	13	85	110	9	5	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	2	2	2	7	42	59	62	12	5	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	5	5	5	5	6	18	20	INS	INS	0
44005	2487 LAKESHORE RD. E	OAKVILLE	127	2	2	2	5	7	20	38	4	3	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	2	2	11	19	24	30	31	INS	INS	0

TABLE A-24

COPPER (Cu) IN TSP STATISTICS (1993)

UNIT = .01 MICROGRAMS/CU.METRE

POLLUTANT - COPPER IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES							ARITH. MEAN	GEOM. MEAN	NO. OF TIMES ABOVE CRITERIA 24 HR
				10	30	50	70	90	99	MAX			
12005	7730 RIVERSIDE DR E	WINDSOR	59	1	1	2	3	4	5	6	2	2	0
12007	WRIGHT/WATER ST	WINDSOR	55	1	2	3	4	6	9	10	3	3	0
12008	467 UNIVERSITY AV W	WINDSOR	57	1	3	3	4	5	6	7	3	3	0
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	48	1	2	3	3	4	6	6	3	2	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E	WINDSOR	49	1	2	2	3	4	6	7	2	2	0
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	1	2	3	4	7	9	9	3	3	0
12016	COLLEGE/SOUTH ST	WINDSOR	50	1	2	3	4	5	8	11	3	3	0
12038	2885 HOWARD AV	WINDSOR	54	3	4	5	6	9	17	21	6	5	0
12039	DOUGALL/E.C. ROW W	WINDSOR	25	2	2	3	3	5	6	6	INS	INS	0
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	1	2	4	5	7	12	13	4	3	0
12049	643 ALEXANDRINE	WINDSOR	21	2	2	3	4	5	7	7	INS	INS	0
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	1	2	3	4	10	39	44	5	2	0
14030	R.R. #1 (W OF HOUSE)	CORUNNA	60	1	1	2	3	5	5	5	2	2	0
14031	R.R. #1 (W OF BARN)	MOORETOWN	56	1	1	2	2	5	6	6	2	1	0
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	52	1	2	2	2	4	5	5	2	2	0
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	23	1	1	1	1	2	6	8	INS	INS	0
15009	CONSERVATION AUTHORITY	LONGWOODS	18	1	1	1	1	3	8	10	INS	INS	0
15014	POND MILLS RD/DEVERON CRES	LONDON	60	1	1	1	1	3	4	5	1	1	0
15015	951 COMMISSIONERS RD E	LONDON	55	1	1	1	1	3	7	15	1	1	0
15016	801 COMMISSIONERS RD E	LONDON	57	1	1	2	2	4	5	6	2	2	0
15017	8 MOUNTSFIELD DR	LONDON	58	1	1	1	2	3	3	4	1	1	0
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	1	1	2	3	4	4	4	INS	INS	0
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	1	2	2	3	4	5	5	INS	INS	0
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	1	1	1	1	1	2	2	INS	INS	0
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	54	1	2	2	3	4	5	6	3	2	0
27008	71 KING ST	ST. CATHARINES	53	1	11	16	19	24	29	35	14	8	0
27052	185 QUEEN ST S	THOROLD	32	2	3	4	5	8	22	25	INS	INS	0
29011	BURLINGTON/LEEDS	HAMILTON	50	3	4	5	9	13	18	19	7	6	0
29025	BARTON/WENTWORTH	HAMILTON	56	4	6	7	9	12	16	16	8	7	0
29067	450 HUGHSON ST N	HAMILTON	54	2	3	4	4	5	6	7	3	3	0
29098	BAY/MAIN ST	HAMILTON	53	2	4	7	11	15	22	22	8	6	0
29102	467 BEACH BLVD	HAMILTON	46	2	3	5	5	7	9	9	INS	INS	0
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	2	6	8	12	16	22	25	9	6	0
31058	MOSLEY/LESLIE STS	TORONTO	318	6	9	14	18	26	49	68	15	13	0
31103	BAY/GROSVENOR	TORONTO	335	3	5	7	10	15	35	62	9	7	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	43	13	18	27	33	79	92	96	35	28	0
32010	LEASIDE HYDRO STATION	EAST YORK	18	6	7	8	11	15	19	20	INS	INS	0
44005	2487 LAKESHORE RD. E	OAKVILLE	127	4	7	15	20	31	60	80	16	11	0
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	31	11	14	20	31	43	89	98	INS	INS	0
77026	19 LISGAR ST	SUDBURY	54	6	11	16	22	39	247	290	27	16	0
77070	PUMPHOUSE, NICKEL ST	COPPER CLIFF	57	7	14	22	36	71	364	731	45	24	0

TABLE A-25

MAXIMUM MONITORED LEVELS FOR TRACE METALS (1993)

STATION NUMBER	LOCATION	CITY	CHROMIUM IN TSP UNIT - .001 $\mu\text{g}/\text{m}^3$		NICKEL IN TSP UNIT - .001 $\mu\text{g}/\text{m}^3$		IRON IN TSP UNIT - .1 $\mu\text{g}/\text{m}^3$		VANADIUM IN TSP UNIT - .001 $\mu\text{g}/\text{m}^3$		CADMIUM IN TSP UNIT - .001 $\mu\text{g}/\text{m}^3$		MANGANESE IN TSP UNIT - .001 $\mu\text{g}/\text{m}^3$		COPPER IN TSP UNIT - .01 $\mu\text{g}/\text{m}^3$	
			Cr MAX	V MAX	Fe MAX	Ni MAX	Cd MAX	Mn MAX	Cu MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
12005	7730 RIVERSIDE DR E	WINDSOR	40	84	89	18	6	80	6							
12007	WRIGHT/WATER ST	WINDSOR	81	98	412	20	9	740	10							
12008	467 UNIVERSITY AV W	WINDSOR	39	86	111	150	22	130	7							
12011	DROUILLARD RD/RICHMOND ST	WINDSOR	52	49	220	26	6	440	6							
12013	FILTRAT PLT,3665 WYANDOTTE ST E	WINDSOR	52	77	184	45	7	470	7							
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	96	70	206	30	20	200	9							
12016	COLLEGE/SOUTH ST	WINDSOR	30	100	123	30	8	170	11							
12038	2885 HOWARD AV	WINDSOR	160	53	190	140	5	340	21							
12039	DOUGALL/E.C. ROW W	WINDSOR	44	10	160	14	3	120	6							
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	30	14	116	20	2	91	13							
12049	643 ALEXANDRINE	WINDSOR	30	20	96	17	2	110	7							
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	26	130	71	40	125	30	44							
14030	R.R. #1 (W OF HOUSE)	CORUNNA	21	120	86	11	13	30	5							
14031	R.R. #1 (W OF BARN)	MOORETOWN	23	110	86	19	1	40	6							
14064	CENTENNIAL PK,FRONT ST/CN TRACKS	SARNIA	47	150	98	68	1	41	2							
15001	WRN FAIR GROUNDS, KING/RECTORY	LONDON	26	45	155	12	3	90	5							
15008	EDGEWARE RD (NNW VARTA PLT)	ST. THOMAS	12	170	100	10	1	35	8							
15009	CONSERVATION AUTHORITY	LONGWOODS	8	58	81	5	2	30	10							
15014	POND MILLS RD/DEVERON CRES	LONDON	24	52	111	14	3	83	5							
15015	951 COMMISSIONERS RD E	LONDON	41	60	74	11	2	50	15							
15016	801 COMMISSIONERS RD E	LONDON	40	72	116	20	2	43	6							
15017	8 MOUNTSFIELD DR	LONDON	34	40	89	16	1	42	4							
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	50	99	13	1	480	4							
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	40	30	91	20	1	250	5							
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	10	50	60	20	0	160	2							
22907	RAINHAM RD (NEAR STELCO GATE)	NANTICOKE	40	54	140	20	4	400	6							
27008	71 KING ST	ST. CATHARINES	41	50	148	15	1	110	35							
27047	DAVIS/FRAZER	PORT COLBORNE	N/A	N/A	N/A	390	0	N/A	N/A							
27052	185 QUEEN ST S	THOROLD	2400	170	180	42	1	140	25							
29011	BURLINGTON/LEEDS	HAMILTON	160	40	247	21	9	1160	19							
29025	BARTON/WENTWORTH	HAMILTON	130	60	158	40	6	780	16							
29067	450 HUGHSON ST N	HAMILTON	41	20	102	10	6	380	7							
29098	BAY/MAIN ST	HAMILTON	89	55	170	20	2	590	22							
29102	467 BEACH BLVD	HAMILTON	51	55	150	22	9	340	9							
29114	VICKERS RD/EAST 18TH ST	HAMILTON	46	46	136	30	2	290	25							
31058	MOSLEY/LESLIE STS	TORONTO	51	26	190	60	12	200	68							
31103	BAY/GROSVENOR	TORONTO	31	110	153	30	3	150	62							
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)	TORONTO	21	62	111	10	6	90	96							
32010	LEASIDE HYDRO STATION	EAST YORK	20	20	111	20	8	90	20							
34034	111 FENMAR DRIVE	NORTH YORK	N/A	N/A	351	N/A	N/A	250	N/A							
36030	CLEARVIEW HTGS/KEELE ST	YORK	18	2	164	2	2	33	13							
44005	2487 LAKESHORE RD. E	OAKVILLE	20	38	146	20	2	160	80							
46117	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	22	31	120	12	9	62	98							
71042	PUMPHOUSE, BONNEY ST	SAULT STE MARIE	N/A	N/A	330	N/A	N/A	2870	N/A							
71049	LAND OFFICE, QUEEN ST	SAULT STE MARIE	N/A	N/A	83	N/A	N/A	220	N/A							
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	N/A	N/A	179	N/A	N/A	800	N/A							
71074	165 GOVERNMENT ROAD	WAWA	N/A	N/A	512	N/A	N/A	2894	N/A							
71075	3 MAPLE STREET/WAWA COLLEGE	WAWA	N/A	N/A	67	N/A	N/A	330	N/A							
77026	19 LISGAR ST	SUDBURY	N/A	N/A	118	750	N/A	N/A	290							
77070	PUMPHOUSE, NICKEL ST	COPPER CLIFF	N/A	N/A	264	7240	N/A	N/A	731							

TABLE A-26

NITRATE (NO₃⁻) IN TSP STATISTICS (1993)

UNIT=.1 MICROGRAMS/CU.METRE

POLLUTANT - NITRATE IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	
				10	30	50	70	90	99			
12007	WRIGHT/WATER ST	WINDSOR	55	17	25	35	49	75	90	94	41	35
12008	467 UNIVERSITY AV W	WINDSOR	57	17	27	38	58	84	131	163	46	38
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	23	32	43	61	94	162	233	54	45
12016	COLLEGE/SOUTH ST	WINDSOR	50	18	26	38	59	81	148	197	48	39
12038	2885 HOWARD AV	WINDSOR	54	18	25	38	58	80	157	180	47	39
12039	DOUGALL/E.C. ROW W	WINDSOR	25	17	25	43	67	88	121	129	INS	INS
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	16	23	38	55	73	117	126	44	36
12049	643 ALEXANDRINE	WINDSOR	21	16	38	41	68	97	123	126	INS	INS
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	12	22	31	47	79	113	130	39	32
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	11	18	30	43	61	118	130	35	28
15014	POND MILLS RD/DEVERON CRES	LONDON	60	13	22	35	52	87	136	158	43	33
15015	951 COMMISSIONERS RD E	LONDON	55	11	20	30	44	80	103	110	37	29
15016	801 COMMISSIONERS RD E	LONDON	57	11	22	35	63	99	162	223	48	35
15017	8 MOUNTSFIELD DR	LONDON	58	12	22	31	52	75	102	102	39	31
17023	423 DEVONSHIRE AVE, (LODGE)	WOODSTOCK	20	10	27	44	62	82	168	177	INS	INS
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	11	18	43	63	114	152	153	INS	INS
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	22	32	45	68	104	131	133	INS	INS
22904	WALPOLE S PS, SANDUSK RD	NANTICOKE	49	14	24	30	45	77	93	99	38	31
27008	71 KING ST	ST. CATHARINES	53	11	21	33	51	81	101	104	39	31
29011	BURLINGTON/LEEDS	HAMILTON	50	10	19	34	62	87	152	177	46	31
29025	BARTON/WENTWORTH	HAMILTON	56	11	19	32	50	82	131	145	41	30
29098	BAY/MAIN ST	HAMILTON	53	12	24	37	57	85	131	143	45	35
29102	467 BEACH BLVD	HAMILTON	46	10	19	31	50	92	112	120	41	28
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	13	25	34	52	84	112	114	43	34
31103	BAY/GROSVENOR	TORONTO	335	13	24	38	54	86	140	218	45	35
35033	EVANS/ARNOLD AV	ETOBICOKE	58	11	19	26	44	97	172	279	43	30
63200	MTC 615 JAMES ST S	THUNDER BAY	58	5	7	11	15	24	66	71	14	11
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	111	5	8	11	17	36	55	92	16	12
77026	19 LISGAR ST	SUDBURY	54	4	7	10	17	37	67	81	16	10

TABLE A-27

SULPHATE (SO₄²⁻) IN TSP STATISTICS (1993)

UNIT = .01 MICROGRAMS/CU.METRE

POLLUTANT - SULPHATE IN TOTAL SUSPENDED PARTICULATE

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	
				10	30	50	70	90	99			
12007	WRIGHT/WATER ST	WINDSOR	55	66	77	93	110	147	205	210	99	93
12008	467 UNIVERSITY AV W	WINDSOR	57	59	73	83	96	158	258	290	96	88
12015	SEWAGE STN, HWY 18/PROSPECT	WINDSOR	51	75	85	100	120	172	229	268	112	105
12016	COLLEGE/SOUTH ST	WINDSOR	50	64	76	87	102	147	227	270	98	92
12038	2885 HOWARD AV	WINDSOR	54	63	79	91	110	150	242	270	103	97
12039	DOUGALL/E.C. ROW W	WINDSOR	25	61	69	86	93	126	188	207	INS	INS
12047	DORWIN PLAZA, DOUGALL AV	WINDSOR	57	60	78	87	110	144	227	250	98	92
12049	643 ALEXANDRINE	WINDSOR	21	57	64	81	90	119	120	120	INS	INS
14016	HWY40 (OPP LAMBTON GS)	COURTRIGHT	51	51	67	75	120	170	180	180	98	89
14064	CENTENNIAL PK, FRONT ST/CN TRACKS	SARNIA	58	48	59	69	93	146	200	200	84	77
15014	POND MILLS RD/DEVERON CRES	LONDON	60	46	60	73	85	122	189	220	79	72
15015	951 COMMISSIONERS RD E	LONDON	55	43	58	63	78	132	200	200	76	69
15016	801 COMMISSIONERS RD E	LONDON	57	37	56	75	91	120	174	180	78	69
15017	8 MOUNTSFIELD DR	LONDON	58	40	56	66	77	103	163	200	71	65
17023	423 DEVONSHIRE AVE. (LODGE)	WOODSTOCK	20	43	54	57	67	85	127	138	INS	INS
17024	VANSITTART AVE (LYON'S POOL)	WOODSTOCK	19	44	51	60	73	91	123	131	INS	INS
17025	ADMIRAL ST. (SEWAGE PLANT)	WOODSTOCK	13	51	58	72	80	92	93	93	INS	INS
22904	WALPOLE S PS, SANDUSK RD	NANTICOKE	49	47	66	76	83	134	200	210	83	76
27008	71 KING ST	ST. CATHARINES	53	48	59	65	84	160	245	250	84	75
29011	BURLINGTON/LEEDS	HAMILTON	50	72	91	110	130	171	304	381	121	112
29025	BARTON/WENTWORTH	HAMILTON	56	54	75	93	120	160	236	309	104	95
29098	BAY/MAIN ST	HAMILTON	53	57	71	92	109	176	215	227	99	91
29102	467 BEACH BLVD	HAMILTON	46	65	95	110	140	170	187	190	118	112
29114	VICKERS RD/EAST 18TH ST	HAMILTON	52	53	70	89	100	168	245	260	98	89
31103	BAY/GROSVENOR	TORONTO	335	45	61	74	90	120	190	230	81	74
35033	EVANS/ARNOLD AV	ETOBICOKE	58	51	68	78	93	133	211	227	87	79
63200	MTC 615 JAMES ST S	THUNDER BAY	58	22	34	39	48	67	156	220	46	40
71068	WM. MERRIFIELD SCHOOL	SAULT STE MARIE	111	22	40	49	67	97	126	150	55	48
77026	19 LISGAR ST	SUDBURY	54	39	49	59	65	90	102	105	61	58

TABLE A-28

INHALABLE PARTICULATE (PM-10) STATISTICS (1993)

UNIT = MICROGRAMS/CU.METRE

POLLUTANT - PM10

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MAX	GEOM. MEAN	
				10	30	50	70	90	99			
12507	WRIGHT/WATER STREET	WINDSOR	57	18	23	28	33	49	90	118	32	29
12508	467 UNIVERSITY AVE WEST	WINDSOR	61	13	17	22	28	45	60	61	25	23
12513	3665 WYANDOTTE ST. E.	WINDSOR	49	13	22	31	42	58	87	90	35	30
15516	801 COMMISSIONERS RD. E.	LONDON	58	8	11	14	18	32	54	56	18	15
22304	WALPOLE S.P.S., SANDUSK RD	NANTICOKE	57	7	10	14	18	30	64	69	17	14
27308	KING ST	ST CATHARINES	52	8	15	18	22	43	65	70	22	18
27352	185 QUEEN ST. SOUTH	THOROLD	34	14	22	25	33	46	83	94	INS	INS
29300	ELGIN\KELLY STREET	HAMILTON	57	10	16	22	27	50	83	97	27	22
29302	BEACH BLVD	HAMILTON	52	9	19	28	40	58	119	130	33	26
29313	GERTRUDE/DEPEW STREET	HAMILTON	49	14	18	26	39	62	99	104	33	26
29324	BUCHANAN PARK P.S.	HAMILTON	53	8	14	17	25	36	75	79	22	18
31127	BAY ST./GROSVERNOR AVE.	TORONTO	59	11	14	20	26	43	75	77	25	21
33127	KENNEDY RD./LAWRENCE AVE.	SCARBOROUGH	55	11	17	22	28	44	96	100	27	22
35127	EVANS/ARNOLD AVENUE	ETOBICOKE	71	12	19	21	29	41	68	81	25	23
44127	BRONTE RD/WOBURN CRES.	OAKVILLE	59	8	15	19	25	38	84	92	23	19
46127	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	17	11	16	21	24	26	34	36	INS	INS
56051	MEMORIAL PK, BEDFORD/THIRD STS.	CORNWALL	48	9	12	17	25	37	74	95	22	18
62135	250 CHURCH STREET	FORT FRANCES	56	8	14	18	22	32	56	69	20	17
63201	615 JAMES ST. SOUTH	THUNDER BAY	56	10	13	16	20	27	43	45	18	16
71342	PUMPHOUSE,BONNEY STREET	SAULT STE MARIE	58	9	17	27	37	51	87	92	30	24
71368	W. M. MERRIFIELD SCHOOL	SAULT STE MARIE	54	7	13	15	21	39	68	82	20	16
77326	LISGAR ST	SUDBURY	54	9	13	17	22	33	54	59	19	17

TABLE A-29

COPPER (Cu) IN PM-10 STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - COPPER in PM10

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MAX	GEOM. MEAN	
				10	30	50	70	90	99			
12507	WRIGHT/WATER STREET	WINDSOR	57	2	4	8	9	15	42	47	9	6
12508	467 UNIVERSITY AVE WEST	WINDSOR	61	2	2	2	9	14	23	25	7	4
12513	3665 WYANDOTTE ST. E.	WINDSOR	49	2	6	8	13	23	36	36	11	8
15516	801 COMMISSIONERS RD. E.	LONDON	58	2	2	2	2	13	35	46	5	3
22304	WALPOLE S.P.S., SANDUSK RD	NANTICOKE	56	2	2	2	7	12	21	25	5	4
27308	KING ST	ST CATHARINES	54	2	8	11	12	17	18	18	10	9
27352	185 QUEEN ST. SOUTH	THOROLD	31	6	9	15	17	29	36	39	INS	INS
29300	ELGIN\KELLY STREET	HAMILTON	57	10	15	17	22	28	54	76	19	16
29302	BEACH BLVD	HAMILTON	52	2	7	10	12	17	39	54	10	7
29313	GERTRUDE/DEPEW STREET	HAMILTON	48	7	13	19	28	41	86	110	23	17
29324	BUCHANAN PARK P.S.	HAMILTON	53	2	6	9	13	20	35	36	11	8
31127	BAY ST./GROSVERNOR AVE.	TORONTO	59	7	12	16	21	29	45	46	18	15
33127	KENNEDY RD./LAWRENCE AVE.	SCARBOROUGH	55	7	14	17	23	33	41	41	19	16
35127	EVANS/ARNOLD AVENUE	ETOBICOKE	71	2	6	8	11	17	25	31	9	7
44127	BRONTE RD/WOBURN CRES.	OAKVILLE	60	2	8	12	23	33	49	52	17	12
46127	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	17	4	10	13	15	18	24	25	INS	INS
56051	MEMORIAL PK, BEDFORD/THIRD STS.	CORNWALL	37	2	2	8	11	14	25	25	INS	INS
62135	250 CHURCH STREET	FORT FRANCES	56	2	2	2	6	10	61	120	7	4
63201	615 JAMES ST. SOUTH	THUNDER BAY	56	2	2	5	7	17	156	240	14	5
71342	PUMPHOUSE,BONNEY STREET	SAULT STE MARIE	56	2	2	7	9	13	23	25	7	6
71368	W. M. MERRIFIELD SCHOOL	SAULT STE MARIE	53	8	11	18	22	32	51	59	19	16
77326	LISGAR ST	SUDBURY	54	11	18	25	78	167	619	1400	86	37

TABLE A-30

IRON (Fe) IN PM-10 STATISTICS (1993)

UNIT = .01 MICROGRAMS/CU.METRE

POLLUTANT - IRON in PM10

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	
				10	30	50	70	90	99			
12507	WRIGHT/WATER STREET	WINDSOR	57	31	44	82	110	198	396	710	101	75
12508	467 UNIVERSITY AVE WEST	WINDSOR	61	15	24	38	57	93	151	170	49	38
12513	3665 WYANDOTTE ST. E.	WINDSOR	49	18	29	64	136	286	682	860	125	68
15516	801 COMMISSIONERS RD. E.	LONDON	58	6	9	14	20	36	99	140	19	14
22304	WALPOLE S.P.S., SANDUSK RD	NANTICOKE	56	3	8	14	22	38	150	150	21	12
27308	KING ST	ST CATHARINES	54	9	17	25	31	49	131	160	29	22
27352	185 QUEEN ST. SOUTH	THOROLD	31	28	43	53	76	130	262	300	INS	INS
29300	ELGIN\KELLY STREET	HAMILTON	57	13	18	29	110	215	410	540	85	44
29302	BEACH BLVD	HAMILTON	52	8	46	100	167	249	374	400	119	66
29313	GERTRUDE/DEPEW STREET	HAMILTON	48	30	53	98	260	543	1195	1400	249	129
29324	BUCHANAN PARK P.S.	HAMILTON	53	5	11	16	29	136	286	330	44	20
31127	BAY ST./GROSVERNOR AVE.	TORONTO	59	16	23	33	50	73	154	160	42	34
33127	KENNEDY RD./LAWRENCE AVE.	SCARBOROUGH	55	21	31	39	53	90	137	160	47	39
35127	EVANS/ARNOLD AVENUE	ETOBIKOKE	71	15	29	34	45	70	151	180	42	34
44127	BRONTE RD/WOBURN CRES.	OAKVILLE	60	9	18	26	37	55	157	230	33	24
46127	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	17	12	20	25	29	42	60	61	INS	INS
56051	MEMORIAL PK, BEDFORD/THIRD STS.	CORNWALL	37	5	11	15	18	33	113	190	INS	INS
62135	250 CHURCH STREET	FORT FRANCES	56	6	14	28	42	77	110	110	34	23
63201	615 JAMES ST. SOUTH	THUNDER BAY	56	14	27	46	63	103	191	220	54	40
71342	PUMPHOUSE,BONNEY STREET	SAULT STE MARIE	56	12	45	130	220	430	1186	1300	214	97
71368	W. M. MERRIFIELD SCHOOL	SAULT STE MARIE	53	8	20	36	66	176	500	810	75	35
77326	LISGAR ST	SUDBURY	54	11	23	32	46	74	168	270	41	30

TABLE A-31

MANGANESE (Mn) IN PM-10 STATISTICS (1993)

UNIT = .001 MICROGRAMS/CU.METRE

POLLUTANT - MANGANESE in PM10

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MEAN	GEOM. MEAN	
				10	30	50	70	90	99			
12507	WRIGHT/WATER STREET	WINDSOR	57	14	19	27	34	49	161	260	33	26
12508	467 UNIVERSITY AVE WEST	WINDSOR	61	6	10	14	20	33	49	54	17	14
12513	3665 WYANDOTTE ST. E.	WINDSOR	49	5	13	31	49	170	360	390	63	28
15516	801 COMMISSIONERS RD. E.	LONDON	58	4	6	8	10	18	35	40	10	8
22304	WALPOLE S.P.S., SANDUSK RD	NANTICOKE	56	1	3	6	8	14	42	59	8	5
27308	KING ST	ST CATHARINES	54	6	10	14	17	30	55	58	16	12
27352	185 QUEEN ST. SOUTH	THOROLD	31	13	22	31	46	64	99	100	INS	INS
29300	ELGIN\KELLY STREET	HAMILTON	57	10	15	21	55	151	347	370	57	30
29302	BEACH BLVD	HAMILTON	52	4	18	53	79	120	149	160	56	31
29313	GERTRUDE/DEPEW STREET	HAMILTON	48	22	38	69	120	340	465	570	117	71
29324	BUCHANAN PARK P.S.	HAMILTON	53	4	7	9	15	59	134	150	22	11
31127	BAY ST./GROSVERNOR AVE.	TORONTO	59	8	12	16	23	40	53	54	20	17
33127	KENNEDY RD./LAWRENCE AVE.	SCARBOROUGH	55	10	15	20	26	33	45	47	21	19
35127	EVANS/ARNOLD AVENUE	ETOBIKOKE	71	9	15	20	26	36	66	77	23	20
44127	BRONTE RD/WOBURN CRES.	OAKVILLE	60	6	10	12	18	30	77	85	17	13
46127	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	17	7	13	15	21	26	34	35	INS	INS
56051	MEMORIAL PK, BEDFORD/THIRD STS.	CORNWALL	37	1	4	5	8	12	32	46	INS	INS
62135	250 CHURCH STREET	FORT FRANCES	56	1	3	7	11	16	27	28	8	5
63201	615 JAMES ST. SOUTH	THUNDER BAY	56	5	11	15	21	36	43	45	18	14
71342	PUMPHOUSE,BONNEY STREET	SAULT STE MARIE	56	9	31	75	125	205	403	420	101	57
71368	W. M. MERRIFIELD SCHOOL	SAULT STE MARIE	53	5	13	23	40	103	230	300	41	21
77326	LISGAR ST	SUDBURY	54	5	8	10	15	19	35	49	12	10

TABLE A-32

SULPHATE (SO₄²⁻) IN PM-10 STATISTICS (1993)

UNIT = .1 MICROGRAMS/CU.METRE

POLLUTANT - SULPHATE in PM10

STATION NUMBER	LOCATION	CITY	NO. OF SAMPLES	PERCENTILES						ARITH. MAX	GEOM. MEAN	
				10	30	50	70	90	99			
12507	WRIGHT/WATER STREET	WINDSOR	57	22	27	36	53	120	243	260	56	43
12508	467 UNIVERSITY AVE WEST	WINDSOR	61	17	24	37	52	130	232	250	53	40
12513	3665 WYANDOTTE ST. E.	WINDSOR	49	18	23	34	52	91	200	260	49	38
16516	801 COMMISSIONERS RD. E.	LONDON	58	13	19	27	38	93	160	190	40	30
22304	WALPOLE S P.S., SANDUSK RD	NANTICOKE	56	13	22	29	38	115	229	270	47	33
27308	KING ST	ST CATHARINES	54	12	17	26	44	101	224	240	45	30
27352	185 QUEEN ST. SOUTH	THOROLD	31	14	20	30	47	130	204	210	INS	INS
29300	ELGIN/KELLY STREET	HAMILTON	57	14	22	43	58	118	180	180	52	35
29302	BEACH BLVD	HAMILTON	52	14	31	51	65	110	181	220	59	45
29313	GERTRUDE/DEPEW STREET	HAMILTON	48	17	26	43	57	116	200	230	57	43
29324	BUCHANAN PARK P.S.	HAMILTON	53	12	21	38	49	118	219	230	50	34
31127	BAY ST./GROSVERNOR AVE.	TORONTO	59	11	17	25	41	69	186	250	38	26
33127	KENNEDY RD./LAWRENCE AVE.	SCARBOROUGH	55	13	19	28	48	81	195	200	42	31
35127	EVANS/ARNOLD AVENUE	ETOBICOKE	71	12	21	31	46	71	156	170	41	32
44127	BRONTE RD/WOBURN CRES.	OAKVILLE	60	13	18	25	41	94	184	190	41	29
46127	MEADOW PARK, APPLE LANE C C	MISSISSAUGA	17	18	32	41	68	79	89	89	INS	INS
56051	MEMORIAL PK, BEDFORD/THIRD STS.	CORNWALL	37	19	26	37	55	100	209	220	INS	INS
62135	250 CHURCH STREET	FORT FRANCES	66	8	12	16	24	38	120	180	25	18
63201	615 JAMES ST. SOUTH	THUNDER BAY	56	9	12	18	25	37	91	110	22	18
71342	PUMPHOUSE,BONNEY STREET	SAULT STE MARIE	51	7	18	25	42	70	154	170	34	22
71368	W. M. MERRIFIELD SCHOOL	SAULT STE MARIE	57	7	14	22	36	59	83	95	29	21
77326	LISGAR ST	SUDBURY	54	8	14	24	32	56	77	77	27	21

TABLE A-33

TOTAL DUSTFALL (TDF) STATISTICS (1993)

UNIT=.1 GMS/SQ M/30 DAYS

STATION NUMBER	LOCATION	CITY													ARITH. MEAN	GEOM. MEAN	GEOM. STAND. DEV.	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MAX			
13009	ST. MARY'S PUBLIC SCHOOL	BLENHEIM	****	****	****	****	69	33	50	66	98	42	38	26	98	53	48	1.55
15014	POND MILLS RD./DEVERON CRES.	LONDON	10	11	18	22	29	19	31	14	14	20	14	5	31	17	16	1.65
15015	951 COMMISSIONERS RD. EAST	LONDON	8	11	43	110	28	58	62	26	10	15	6	8	110	32	21	2.61
15016	801 COMMISSIONERS RD. EAST	LONDON	6	6	9	24	21	19	39	11	5	17	9	12	39	15	12	1.88
15017	8 MOUNTSFIELD DRIVE	LONDON	11	12	23	28	35	32	16	10	22	19	11	16	35	20	18	1.55
21031	35 HENRY ST. (ROOF)	BRANTFORD	35	24	48	33	23	****	****	****	****	****	****	****	48	INS	INS	INS
21032	10 ALICE ST. (BACKYARD)	BRANTFORD	27	27	33	28	25	****	****	****	****	****	****	****	33	INS	INS	INS
22070	NANTICOKE ROAD	NANTICOKE	45	17	32	25	14	33	18	18	28	57	14	17	57	27	24	1.59
22092	RAINHAM RD/SANDUSK ROAD	NANTICOKE	6	13	21	8	27	39	10	33	7	82	****	****	82	25	17	2.36
22093	NANTICOKE GS (FLYASH PILE)	NANTICOKE	15	11	14	11	27	37	14	8	7	26	6	****	37	16	14	1.79
22101	STERLING ST (OPP NARCO CD)	CALEDONIA	16	19	23	20	****	****	****	****	****	****	****	****	23	INS	INS	INS
22103	220 MACRAE DR (POLE IN FRONT)	CALEDONIA	19	31	26	28	****	****	****	****	****	****	****	****	31	INS	INS	INS
27005	7961 PORTAGE ROAD	CHIPPWA	43	50	63	41	28	56	36	71	39	81	58	30	81	50	47	1.4
27025	474 HARRIET STREET	WELLAND	135	27	****	33	32	21	42	28	56	37	19	28	135	42	35	1.71
27026	228 CHAFFEY STREET	WELLAND	24	18	****	87	23	20	29	40	59	82	22	22	87	39	33	1.78
27035	383 ALBERTA STREET	WELLAND	25	21	23	46	101	41	72	31	100	112	62	30	112	55	47	1.84
27040	37 PLYMOUTH AVENUE	ST CATHARINES	83	92	49	69	94	104	59	63	79	82	67	36	104	73	70	1.35
27041	GLENDALE AV/QEW	ST CATHARINES	50	60	45	40	41	43	34	40	59	39	7	28	60	41	37	1.76
27042	NIAGARA FALLS RD/ONTARIO ST.	THOROLD	58	28	45	40	39	****	****	****	****	****	****	****	58	INS	INS	INS
27063	GM FOUNDRY	ST CATHARINES	43	20	41	49	48	29	34	26	46	43	22	17	49	35	33	1.45
29001	HUGHSON/HUNTER	HAMILTON	44	53	70	60	32	43	31	30	****	61	****	26	70	45	43	1.42
29006	QUEENSTON	HAMILTON	31	29	45	35	26	30	37	32	15	61	20	23	61	32	30	1.44
29009	KENILWORTH	HAMILTON	24	35	****	48	32	40	24	26	17	35	13	26	48	29	27	1.46
29010	OTTAWA/BURLINTON	HAMILTON	72	38	131	101	104	99	81	100	63	101	102	77	131	89	85	1.38
29011	BURLINGTON/LEEDS	HAMILTON	76	74	96	102	82	103	42	71	68	92	56	66	103	77	75	1.3
29012	BURLINGTON/WELLINGTON	HAMILTON	42	68	54	20	57	68	51	48	26	43	48	40	68	47	45	1.43
29025	BARTON/WENTWORTH	HAMILTON	40	44	67	66	34	51	34	39	31	44	33	40	67	44	42	1.29
29036	ROOSEVELT/BEACH	HAMILTON	95	81	126	135	182	147	126	85	86	141	102	121	182	119	115	1.29
29044	312 BEACH BLVD.	HAMILTON	36	41	44	26	48	66	50	44	73	93	69	56	93	54	51	1.42
29074	KANE/HYLTON RESIDENCE	GREENSVILLE	37	20	28	26	****	33	99	70	38	49	25	29	99	41	37	1.61
29076	MELDRUM/WESTIE STREETS	GREENSVILLE	27	45	46	39	44	****	31	49	17	45	21	36	49	36	35	1.42
29082	1190 LEASIDE ROAD	HAMILTON	43	44	48	52	47	70	62	48	44	65	****	42	70	51	51	1.2
29084	REMBE/BEACH BLVD.	HAMILTON	42	63	56	36	151	58	60	80	113	148	****	34	151	76	67	1.69
29096	OFIELD ROAD (MAYS PROPERTY)	HAMILTON	30	23	30	27	37	43	31	33	34	29	16	14	43	29	28	1.39
29097	4TH CONCESSION ROAD	GREENSVILLE	21	13	22	41	31	57	50	60	23	64	18	19	64	35	31	1.73
29102	467 BEACH BLVD.	HAMILTON	34	28	22	****	32	32	52	38	30	54	****	42	54	36	35	1.32
29137	605 NEBO RD (POLE)	HAMILTON	31	14	25	37	31	51	****	****	****	****	****	****	51	INS	INS	INS
29138	NEBO RD (RYDER CONCRETE)	HAMILTON	****	25	37	46	81	147	****	****	****	****	****	****	147	INS	INS	INS
29141	BARTON ST E./GLOVER	STONEY CREEK	14	21	45	44	45	94	****	****	****	****	****	****	94	INS	INS	INS
29142	KENORA/KEEFER CT	HAMILTON	25	40	76	90	96	82	79	60	40	****	43	64	96	63	59	1.53
29143	KEEFER COURT	HAMILTON	****	16	27	60	35	42	****	28	39	42	38	25	60	35	33	1.44
29144	BARTON/MCNEILLY RD	STONEY CREEK	44	13	32	26	15	49	****	****	****	****	****	****	49	30	27	1.73
29217	CHATHAM/FANNING	HAMILTON	23	43	98	55	36	84	75	49	****	27	43	22	98	50	45	1.66
29230	80 CAMEO AVE. (POLE IN FRONT)	HAMILTON	40	34	49	32	16	206	25	30	29	16	33	13	206	44	32	2.03
29231	8 AUDREY AVE. (POLE IN FRONT)	HAMILTON	25	35	53	39	22	36	31	25	19	30	18	22	53	30	28	1.38
29273	OLFIELD RD. S/HWY 5	GREENSVILLE	16	17	19	45	26	58	76	50	29	50	28	24	76	37	32	1.67
31019	661 EASTERN AVENUE	TORONTO	63	19	63	59	69	93	73	102	71	98	18	74	102	67	60	1.77
31050	BATHURST/FRONT STREETS	TORONTO	58	72	114	95	84	72	77	87	56	83	56	57	114	76	74	1.26
31054	PORTLAND/WELLINGTON STREET	TORONTO	20	13	45	46	37	39	24	30	24	35	18	18	46	29	27	1.51
31058	MOSLEY/LESLIE STREETS	TORONTO	22	31	31	42	39	48	29	43	18	****	30	36	48	34	32	1.34
31059	RUSHBROOKE/EASTERN AVENUE	TORONTO	72	24	41	52	38	154	63	54	29	60	19	34	154	53	46	1.75
31060	LESLIE/QUEEN STREET EAST	TORONTO	29	20	45	46	47	109	57	73	57	81	8	37	109	51	43	2
31065	633 EASTERN AVENUE	TORONTO	17	21	25	49	39	56	40	29	22	34	20	21	56	31	29	1.47
31074	CNR PROPERTY, TECUMSETH ST.	TORONTO	36	26	45	100	68	105	64	42	46	39	26	18	105	51	45	1.71
31082	WORKS DEPT., 138 HAMILTON AVE.	TORONTO	22	20	38	58	38	48	32	35	28	19	29	32	58	33	32	1.4
31085	TECUMSETH/NIAGARA STREET	TORONTO	14	30	36	57	39	33	30	43	37	37	23	26	57	34	32	1.42
31182	WELLINGTON ST (POLE #BT 78)	TORONTO	19	35	52	48	43	48	34	48	50	55	39	26	55	41	40	1.37
31183	FORT YORK	TORONTO	11	17	23	75	86	46	46	28	28	23	21	17	86	35	29	1.86
31184	TECUMSETH ST. (NW NIAGARA ST)	TORONTO	38	17	52	73	47	59	40	60	42	81	26	29	81	47	43	1.57

TABLE A-33 (cont.)

TOTAL DUSTFALL (TDF) STATISTICS (1993)

UNIT = .1 GMS/SQ M/30 DAYS

STATION NUMBER	LOCATION	CITY	TOTAL DUSTFALL (TDF) STATISTICS (1993)												ARITH. MEAN	GEOM. MEAN	GEOM. STAND. DEV.	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MAX			
33038	PARKS DEPT YARD, BRIMLEY RD	SCARBOROUGH	47	8	91	53	33	148	160	164	43	38	12	15	164	68	45	2.75
33039	BRIMLEY RD (POLE 74C)	SCARBOROUGH	14	10	32	45	42	54	26	45	68	47	38	28	68	37	33	1.74
34030	YELLAND STREET	NORTH YORK	***	26	***	8	112	115	***	32	35	43	18	23	115	46	34	2.32
35016	70 JUDSON STREET	ETOBIKOKE	25	17	29	34	40	34	32	54	22	37	24	18	54	31	29	1.4
35017	60 JUDSON STREET	ETOBIKOKE	38	25	45	53	46	40	32	26	44	147	9	17	147	44	35	1.97
35018	JUDSON STREET	ETOBIKOKE	26	19	28	81	31	49	32	36	42	20	9	21	81	33	29	1.73
35019	24 HAROLD STREET	ETOBIKOKE	13	18	21	51	35	42	30	30	24	47	20	13	51	29	26	1.59
36028	425A GILBERT AVENUE	YORK	17	13	46	44	65	44	26	65	51	64	37	43	65	43	39	1.68
44005	2487 LAKESHORE E/BIRBANK RDS.	OAKVILLE	22	18	36	18	45	51	62	46	16	17	25	9	62	30	26	1.8
44006	494 WINSTON CHURCHILL ROAD	OAKVILLE	25	16	37	11	46	141	35	31	23	16	21	12	141	35	26	2
45042	2 LAKE DRIVE	BOWMANVILLE	15	8	18	20	27	43	22	46	52	94	25	23	94	33	27	1.91
45044	36 CEDARCREST BEACH	BOWMANVILLE	14	234	39	312	66	***	26	36	36	5	18	19	312	73	36	3.31
45045	COVE ROAD (HYDRO POLE)	BOWMANVILLE	30	14	22	142	28	49	100	110	63	51	18	18	142	54	41	2.18
45061	THICKSON ROAD (POLE #330)	WHITBY	52	16	25	43	55	55	31	19	40	36	27	25	55	35	33	1.51
45063	THICKSON ROAD (POLE #39)	WHITBY	15	20	23	38	29	46	68	58	37	46	19	23	68	35	32	1.62
46009	VENTA AV/DENISE ROAD	MISSISSAUGA	20	15	27	40	35	29	43	29	20	46	18	23	46	29	27	1.44
46029	SOUTHDOWN/ORR ROADS	MISSISSAUGA	20	23	48	72	58	233	86	122	12	53	53	31	233	68	50	2.26
46030	1233 KANE ROAD	MISSISSAUGA	12	23	34	19	47	30	48	145	41	31	17	9	145	38	29	2.08
46032	KANE ROAD (ESSO GATE)	MISSISSAUGA	22	28	47	24	43	24	22	21	88	123	43	8	123	41	32	2.06
46045	2365 DIXIE ROAD	MISSISSAUGA	21	24	26	37	40	27	33	22	22	42	18	38	42	29	28	1.33
46046	2360 DIXIE ROAD	MISSISSAUGA	17	15	15	***	***	6	15	20	16	24	8	16	24	15	14	1.51
46047	MISSISSAUGA RD SOUTH/PORT ST	MISSISSAUGA	28	16	35	15	65	52	28	31	105	32	41	19	105	39	33	1.77
46049	PINE AVE (BRIARWOOD MOTORS)	MISSISSAUGA	15	11	26	18	30	83	82	66	90	32	33	30	90	43	35	2.02
46053	QUEEN STREET/PINE AVENUE	MISSISSAUGA	17	17	32	58	28	51	53	39	***	***	284	16	284	60	39	2.35
46097	493 BOB-O-LINK ROAD	MISSISSAUGA	12	21	25	14	32	28	26	90	19	27	26	14	90	28	24	1.69
46099	1801 ORR STREET	MISSISSAUGA	14	32	21	18	23	33	39	53	39	13	53	21	53	30	27	1.62
46117	MEADOW PARK, APPLE LANE CLUB	MISSISSAUGA	13	17	18	12	24	42	20	30	67	46	10	11	67	26	22	1.85
46260	LAKEVIEW GS 920 EASTERN,PLE39	MISSISSAUGA	22	19	41	44	34	33	33	23	55	12	19	0	55	30	28	1.57
47025	RR#3(BEAVERTON) MARA TWNSHP.	MARA	33	27	28	***	97	123	240	56	112	146	41	31	240	85	65	2.16
47026	HYDRO POLE ROAD #50	MARA	19	28	17	40	30	28	68	52	40	30	19	21	68	33	30	1.53
47027	RR#1 (BRECHIN) MARA TOWNSHIP	MARA	5	8	16	40	20	22	27	15	103	34	16	8	103	26	19	2.26
58027	51 SHUTER STREET	PORT HOPE	13	28	30	20	42	108	11	75	8	14	7	9	108	30	21	2.43
58028	2 CHOATE STREET	PORT HOPE	7	9	13	17	15	***	38	15	0	11	10	11	38	15	13	1.58
58041	FILTRATION PLANT, MARSH ST.	PORT HOPE	14	9	12	19	25	37	15	39	80	53	16	19	80	28	23	1.92
58042	CANADIAN TIRE, QUEEN STREET	PORT HOPE	16	15	11	29	21	19	19	34	12	17	***	20	34	19	18	1.4
62032	CEMETERY, COLONIZATION RD. W	FORT FRANCES	5	5	9	11	22	33	52	17	14	9	5	5	52	16	11	2.21
62033	NELSON STREET/PORTAGE AVE.	FORT FRANCES	22	38	83	134	39	72	61	49	47	49	142	21	142	63	53	1.83
62034	FIRST STREET/VICTORIA AVENUE	FORT FRANCES	10	16	43	43	31	48	37	40	27	50	26	5	50	31	26	2.03
62035	LEGION BUILDING,250 CHURCH ST	FORT FRANCES	19	20	74	***	42	61	50	41	41	35	34	17	74	39	36	1.61
62036	SINCLAIR ST/VICTORIA AVENUE	FORT FRANCES	38	43	64	46	34	96	62	93	68	62	41	10	96	55	48	1.82
62037	REID AVENUE/GILLON STREET	FORT FRANCES	10	8	38	32	47	27	30	32	10	7	6	5	47	21	16	2.28
62046	308 SINCLAIR STREET	FORT FRANCES	63	49	76	45	57	59	163	81	217	78	69	24	217	82	70	1.77
62050	319 NELSON STREET	FORT FRANCES	24	29	54	32	33	42	45	20	50	32	25	9	54	33	30	1.63
63048	CAN-CAR, MONTREAL STREET	THUNDER BAY	8	14	19	26	13	65	18	42	34	47	29	25	65	28	24	1.82
63047	TOTEM TRAILER PK, HWY 61B	THUNDER BAY	22	36	41	46	114	39	78	55	63	48	28	49	114	52	47	1.55
71015	PS, PITTSBURG/YOUNG STREET	SAULT STE MARIE	40	16	31	68	49	75	64	38	***	60	46	56	75	49	46	1.55
71042	PUMPHOUSE, BONNEY STREET	SAULT STE MARIE	50	16	59	62	70	106	130	116	96	66	96	80	130	79	71	1.74
71043	WILDING/WALLACE TERRACE	SAULT STE MARIE	28	17	43	34	39	47	53	33	50	71	34	24	71	39	37	1.47
71045	73 ADELAIDE STREET	SAULT STE MARIE	23	16	35	42	51	***	107	105	40	51	43	21	107	49	41	1.82
71046	FAIRVIEW AVENUE	SAULT STE MARIE	19	39	36	67	92	41	67	70	76	62	23	23	92	51	46	1.7
72018	SECOND/FRONT STS (HYDRO POLE)	HEARST	9	18	39	56	37	***	177	***	58	27	18	25	177	46	33	2.26
72026	GILLIES STREET	TIMMINS	45	65	64	38	36	100	48	81	85	49	66	63	100	62	59	1.38
72034	WAFERBOARD PLANT, HGHWY. 101	TIMMINS	8	8	17	17	11	18	15	5	14	7	0	18	12	11	1.56	
72060	2 MCPHERSON AVENUE	KAPUSKASING	19	16	61	54	44	64	77	22	52	66	10	15	77	42	34	2.04
72061	4 RIVERSIDE DRIVE	KAPUSKASING	8	15	66	65	45	44	75	24	49	80	14	12	80	41	32	2.25
72080	CUSTOM SAWMILL RD(LEBLANC)	HEARST	5	10	10	12	15	6	44	16	28	5	10	23	44	15	12	1.97
72082	HIGHWAY 11/HIGHWAY 583	HEARST	5	18	26	53	50	70	***	40	55	50	26	28	70	38	32	2.1
72086	3RD STREET/16TH AVENUE	COCHRANE	15	8	17	19	52	***	33	10	51	17	10	10	68	68	27	21
72088	LANG AVENUE	KAPUSKASING	5	9	43	50	66	***	140	34	***	113	16	11	140	49	30	3.05
72090	CECIL'S CAMPING, HIGHWAY 11	HEARST	21	20	104	25	24	50	***	39	33	36	22	52	104	39	34	1.65

Table A-34

STATIONS USED IN AIR QUALITY TRENDS (1984-1993)

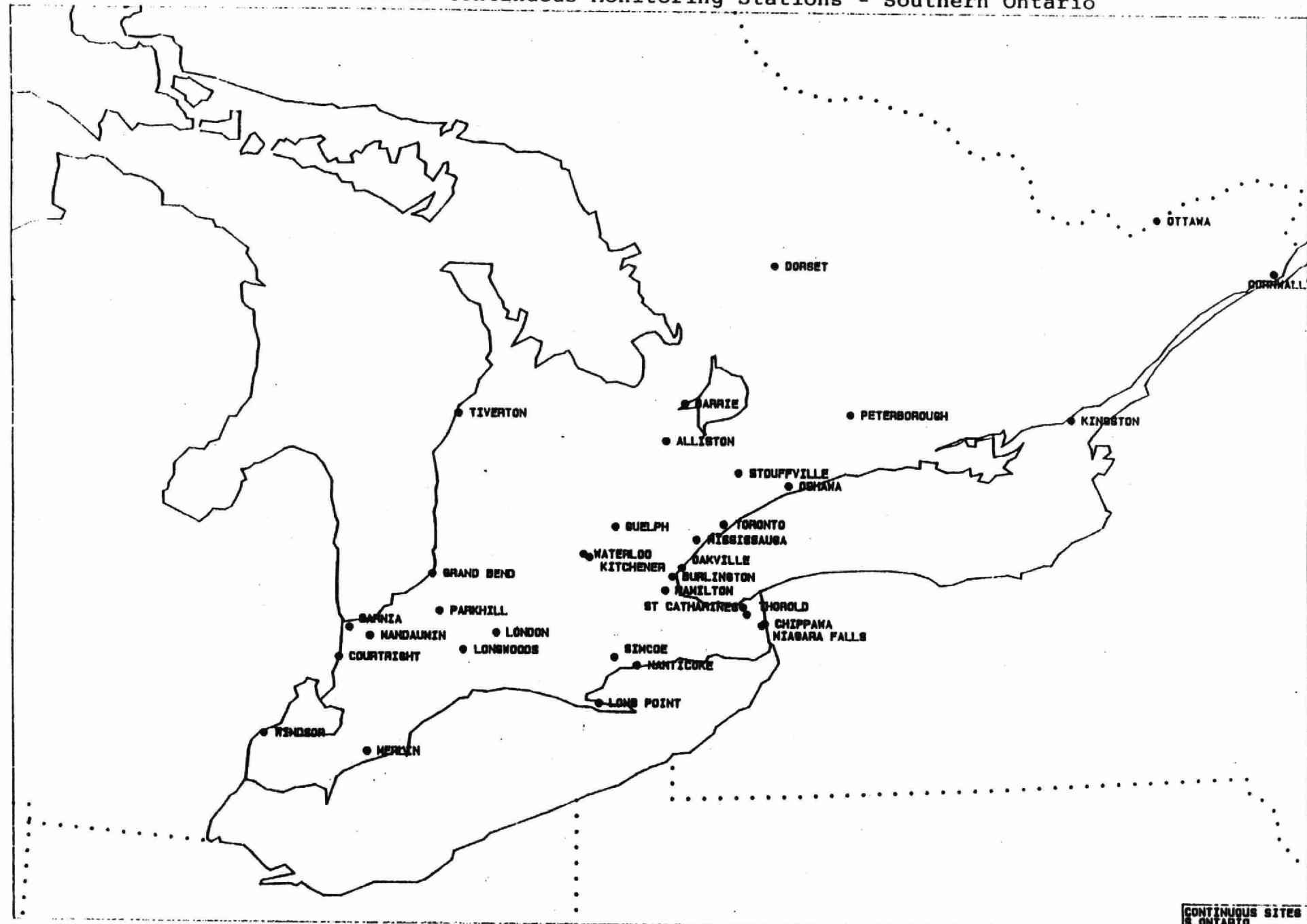
City	Station (Period)
Burlington	44008 (1984 - 1993)
Cornwall	56051 (1984 - 1993)
Etobicoke	35003 (1984 - 1993)
Fort Frances	62030 (1984 - 1993)
Hamilton	29025 (1984 - 1986); 29000 (1987-1993)
Huron Park	10001 (1984 - 1990); 15020 (1991-1993)
Kitchener	26029 (1984 - 1990); 26060 (1991-1993)
London	15001 (1984 - 1993)
Long Point	22901 (1984 - 1993)
Mandaumin	14118 (1984 - 1993)
Merlin	13021 (1984 - 1993)
Mississauga	46110 (1984 - 1993)
Niagara Falls	27056 (1984 - 1993)
North Bay	75010 (1984 - 1993)
North York	34002 (1984 - 1991); 34020 (1992-1993)
Oakville	44015 (1984 - 1993)
Oshawa	45025 (1984 - 1993)
Ottawa	51001 (1984 - 1993)
Peterborough	59006 (1984 - 1993)
Sarnia	14064 (1984 - 1993)
Scarborough	33003 (1984 - 1993)
Simcoe	22071 (1984 - 1993)
St Catharines	27037 (1984 - 1986); 27067 (1987-1993)
Stouffville	48002 (1984 - 1993)
Sudbury	77016 (1984 - 1987); 77203 (1988-1993)
Thunder Bay	63040 (1984 - 1986); 63200 (1987-1993)
Tiverton	18007 (1984 - 1993)
Toronto	31104 (1984 - 1990); 31103 (1991-1993)
Windsor	12008 (1984 - 1993)

Table A-35

STATIONS USED IN TRENDS OF PARTICULATES (1984-1993)

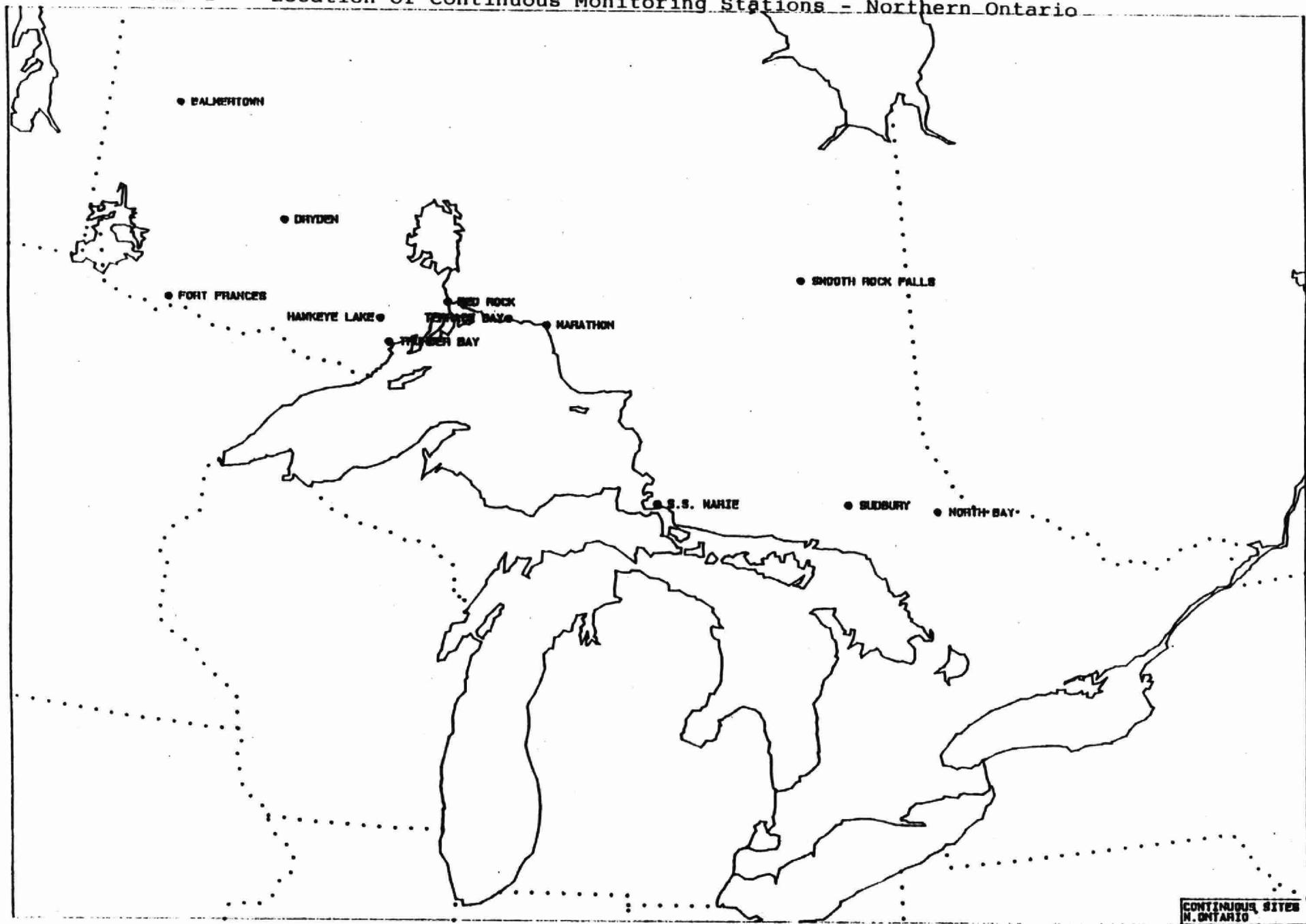
City	Station (Period)
Bramalea	46033 (1984 - 1993)
Burlington	44008 (1984 - 1993)
Chatham	13003 (1984 - 1993)
Courtright	14016 (1984 - 1993)
Etobicoke	35003 (1984 - 1993)
Espanola	77029 (1984 - 1993)
Fort Frances	62032 (1984 - 1993)
Hamilton	29025 (1984 - 1993)
Jarvis	22092 (1984 - 1993)
Kitchener	26029 (1984 - 1990) ; 26060 (1991-1993)
London	15001 (1984 - 1993)
Mississauga	46110 (1984 - 1993)
North Bay	75010 (1984 - 1993)
North York	34002 (1984 - 1988) ; 34020 (1989-1993)
Oakville	44015 (1984 - 1993)
Oshawa	45025 (1984 - 1993)
Pickering	45001 (1984 - 1993)
Port Colborne	27047 (1984 - 1993)
Port Hope	58027 (1984 - 1993)
S.S. Marie	71049 (1984 - 1993)
Sarnia	14064 (1984 - 1993)
Scarborough	33003 (1984 - 1993)
St Catharines	27008 (1984 - 1993)
St Thomas	15006 (1984 - 1993)
Sudbury	77026 (1984 - 1993)
Thunder Bay	63005 (1984 - 1993)
Toronto	31104 (1984 - 1990) ; 31103 (1991-1993)
Welland	27045 (1984 - 1993)
Windsor	12008 (1984 - 1993)

MAP 1 Location Of Continuous Monitoring Stations - Southern Ontario

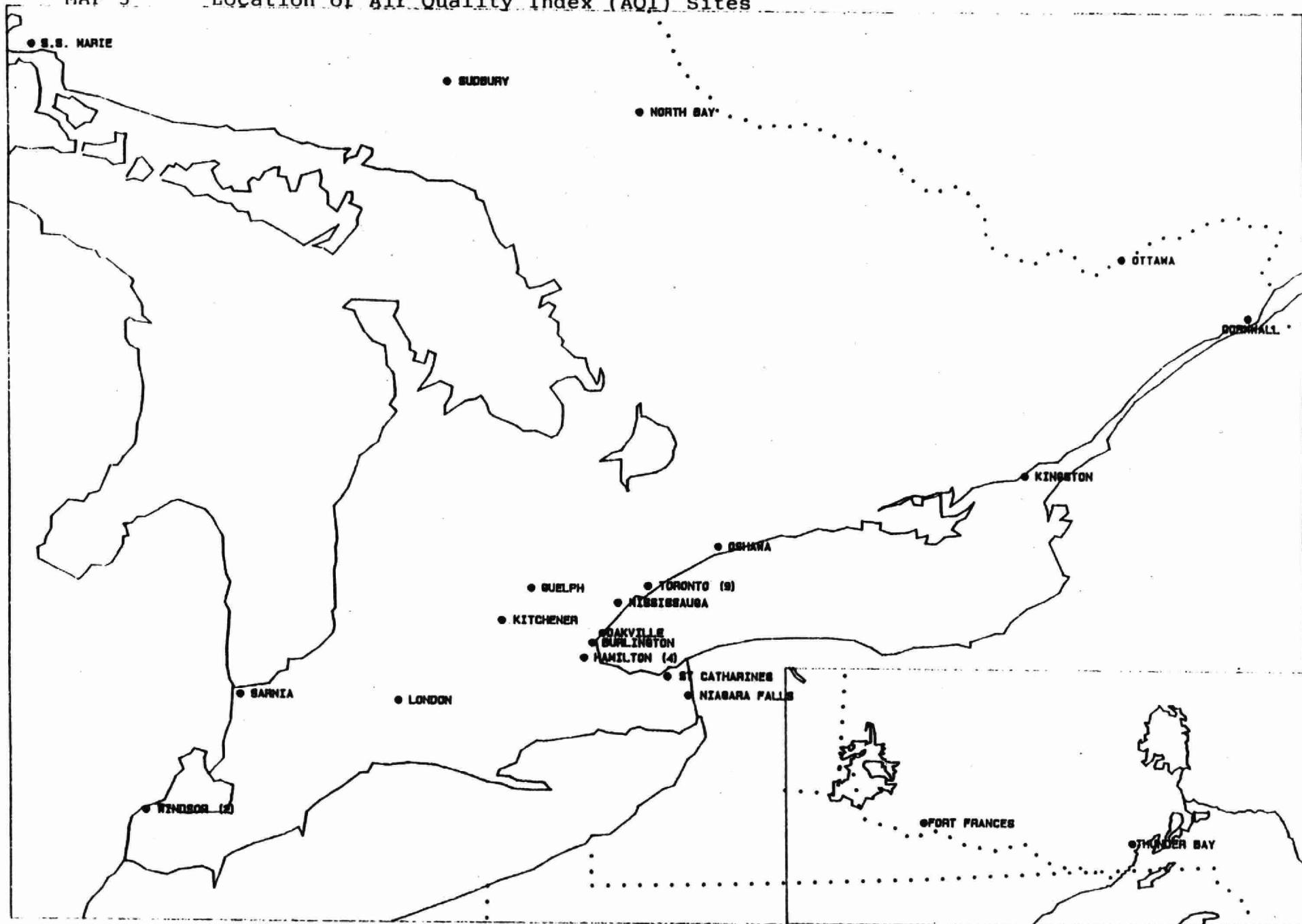


CONTINUOUS SITES
S. ONTARIO

MAP 2 Location Of Continuous Monitoring Stations - Northern Ontario

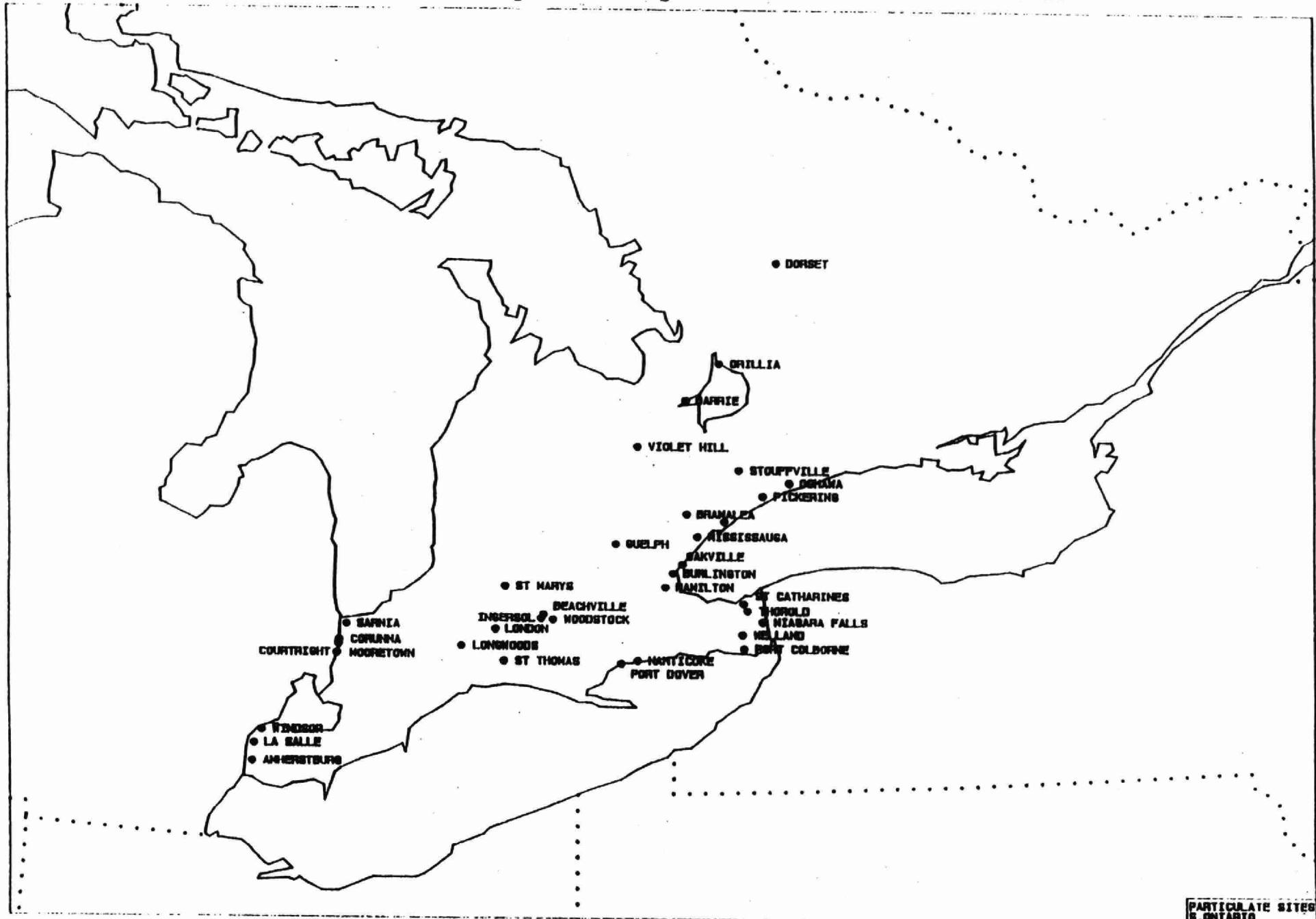


MAP 3. Location of Air Quality Index (AQI) Sites

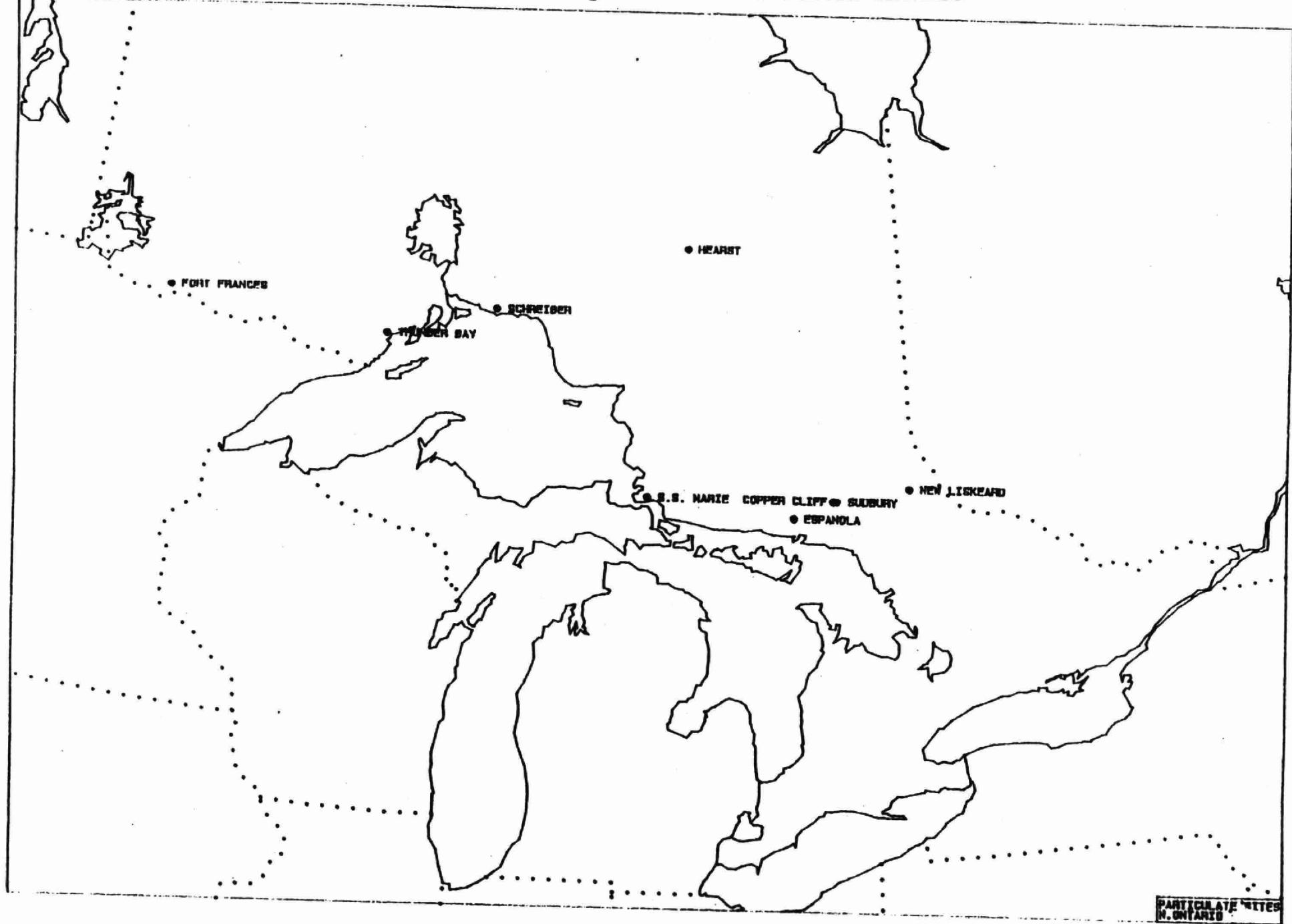


MAP 4

Location of Daily Monitoring Stations - Southern Ontario

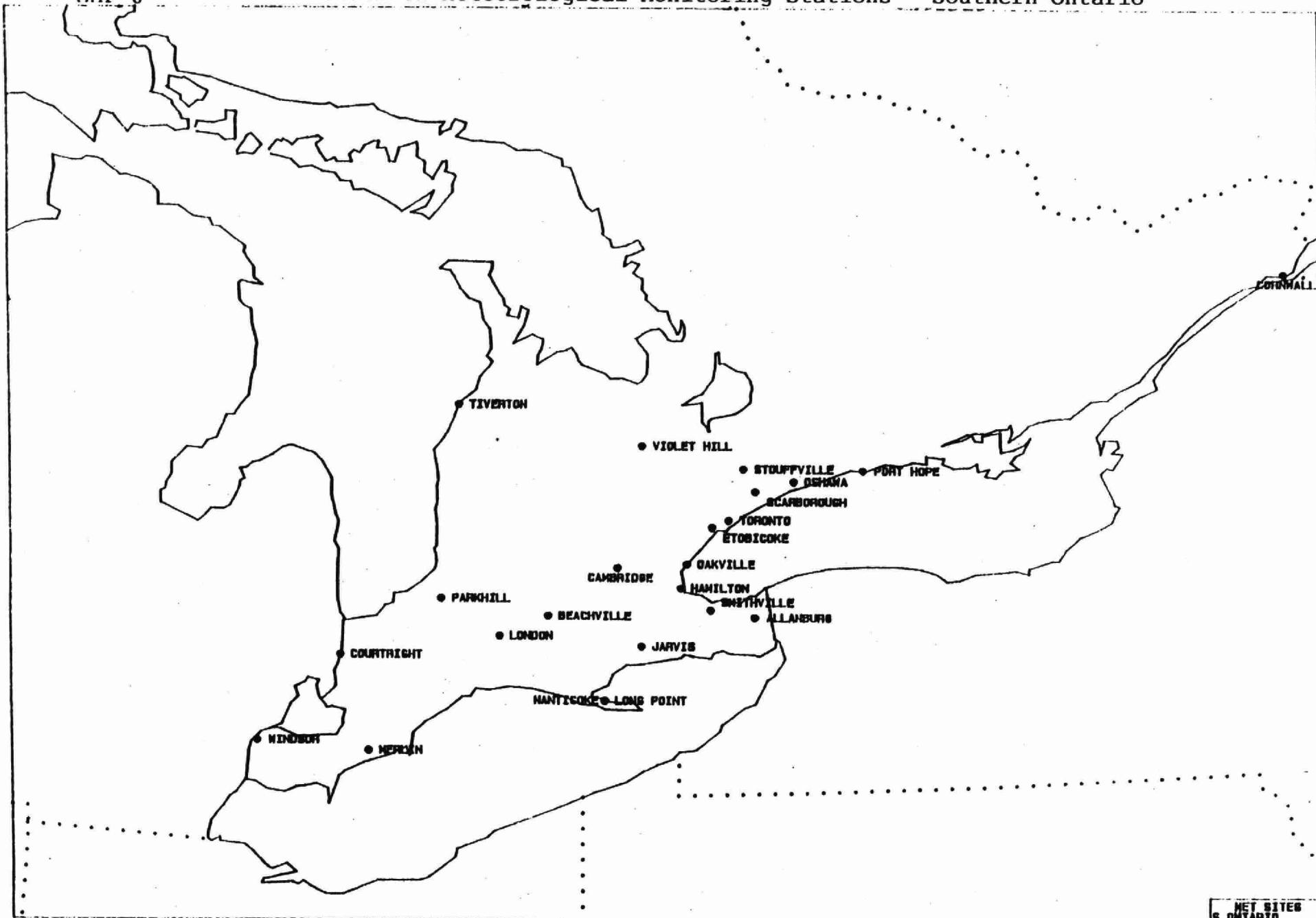


MAP 5 Location Of Daily Monitoring Stations - Northern Ontario

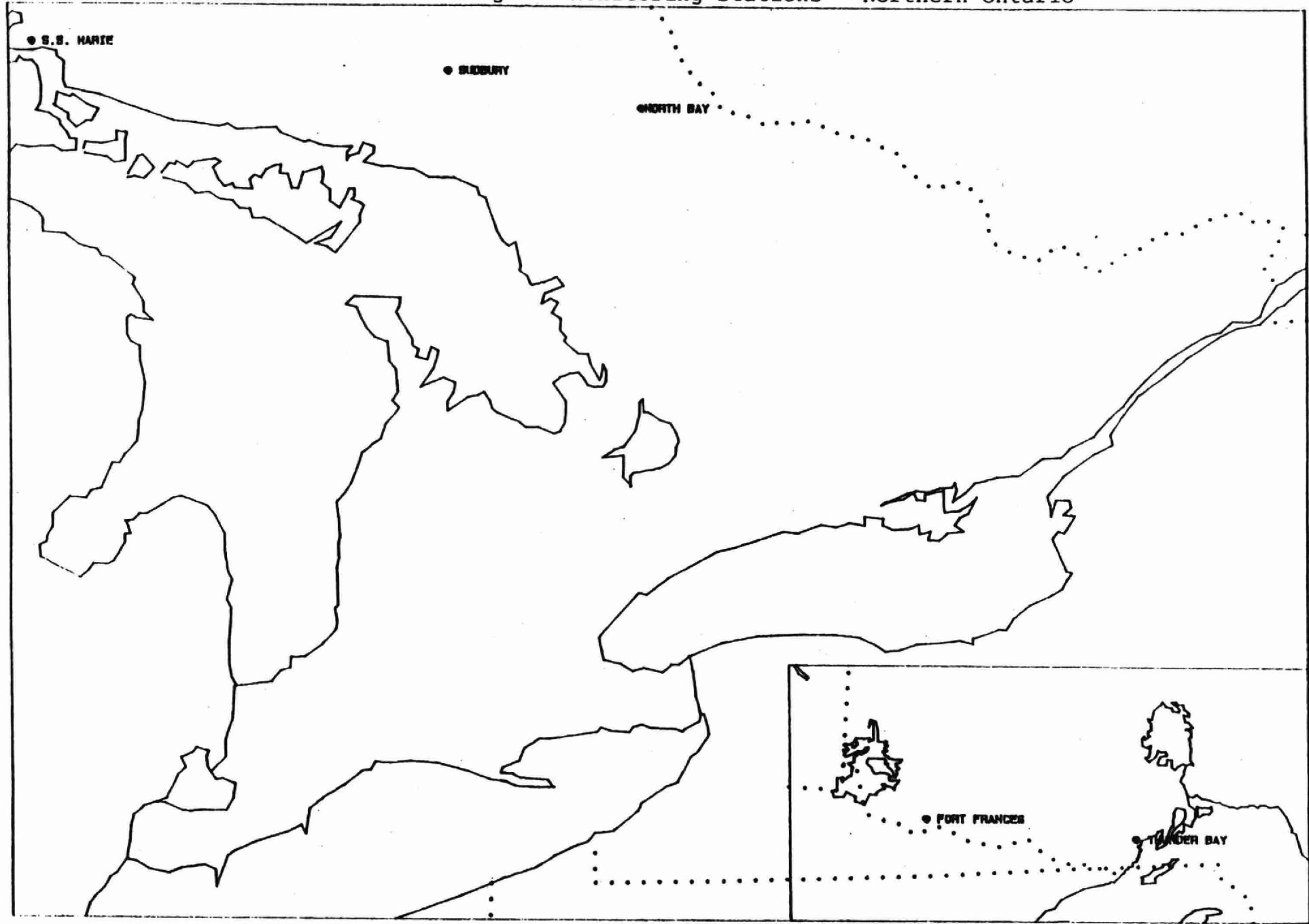


MAP 6

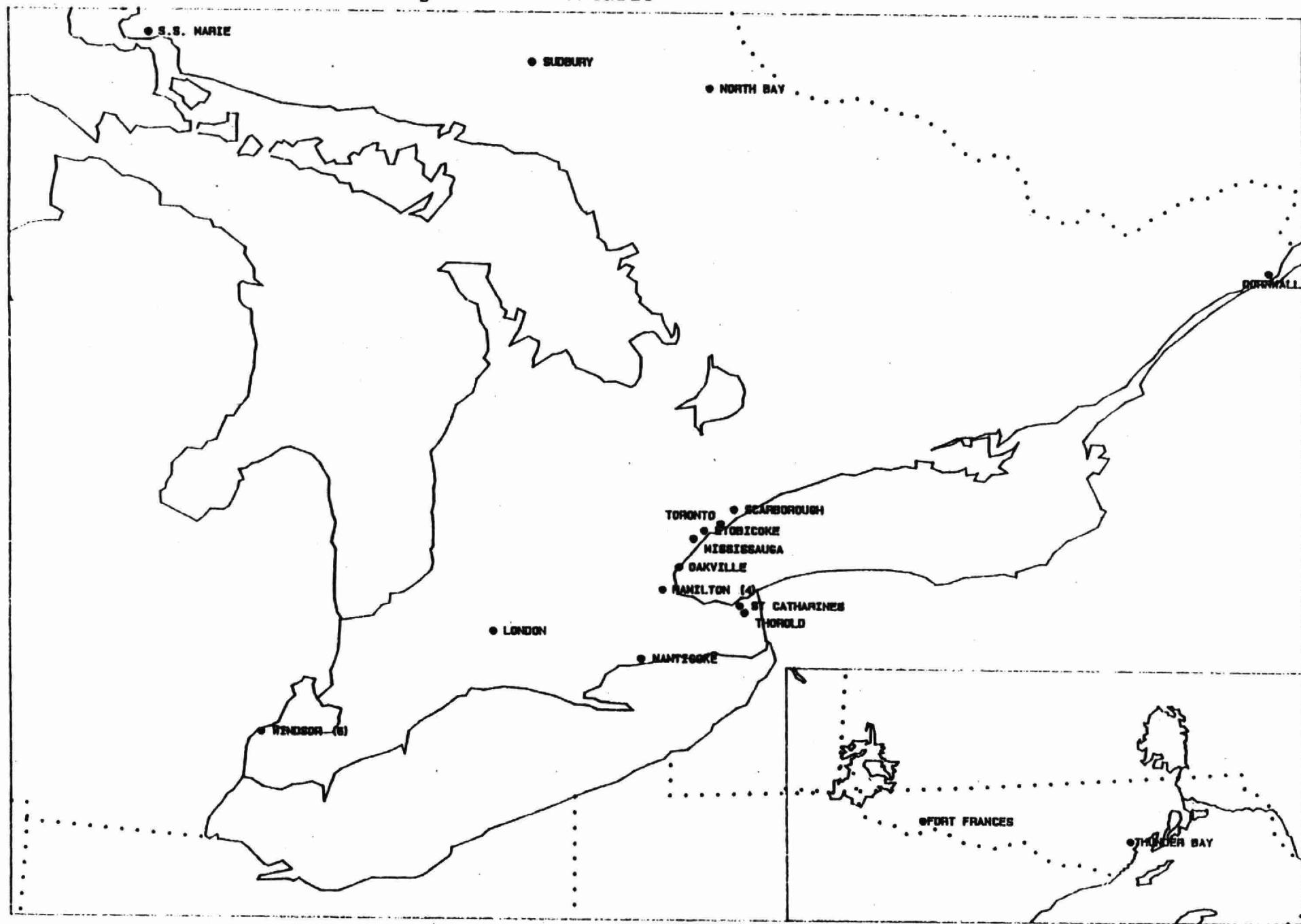
Location of Meteorological Monitoring Stations - Southern Ontario



MAP 7 Location Of Meteorological Monitoring Stations - Northern Ontario



MAP 8 PM-10 Monitoring Sites In Ontario



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